

**REPORT  
OF THE  
TWENTIETH INDUSTRIAL EXHIBITION  
MECHANICS' INSTITUTE,  
SAN FRANCISCO.**

**C. WATERHOUSE**











# REPORT

OF THE

TWENTIETH

# INDUSTRIAL EXHIBITION

OF THE

MECHANICS' INSTITUTE

OF THE

CITY OF SAN FRANCISCO,

HELD AT THE MECHANICS' PAVILION, FROM THE 25TH DAY OF AUGUST  
TO THE 26TH DAY OF SEPTEMBER, INCLUSIVE, 1885.

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SAN FRANCISCO:

P. J. THOMAS, PRINTER, 505 CLAY STREET,  
1886.

# BOARD OF TRUSTEES

—OF THE—

## Twentieth Industrial Exhibition

MECHANICS' INSTITUTE, 1885.

<i>P. B. CORNWALL,</i>	-	-	-	-	<i>President</i>
<i>DAVID KERR,</i>	-	-	-	-	<i>Vice-President</i>
<i>J. A. BAUER,</i>	-	-	-	-	<i>Treasurer</i>
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<i>J. H. GILMORE,</i>	-	-	-	<i>Superintendent.</i>	

### STANDING COMMITTEES.

<i>Auditing,</i>	-	-	-	-	WATERHOUSE, JACKSON, MALLON
<i>Building,</i>	-	-	-	-	MACDONALD, WILCOX, KERR
<i>Power and Machinery,</i>	-	-	-	-	HENDY, SPIERS, JACKSON
<i>Tickets and Admissions</i>	-	-	-	-	STOUT, WATERHOUSE, SPIERS
<i>Music, Decoration and Art,</i>	-	-	-	-	BAUER, HOPPS, MALLON
<i>Privileges,</i>	-	-	-	-	KERR, MACDONALD, SPAULDING
<i>Printing and Advertising,</i>	-	-	-	-	SPAULDING, HENDY, BASSETT
<i>Location and Police,</i>	-	-	-	-	MALLON, WILCOX, MACDONALD
<i>Horticulture,</i>	-	-	-	-	HOPPS, WILCOX, WATERHOUSE
<i>Special Exhibits,</i>	-	-	-	-	WILCOX, KERR, HOPPS

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REPORT OF THE BOARD OF MANAGERS  
OF THE  
**TWENTIETH**  
**INDUSTRIAL EXHIBITION**  
OF THE  
**M E C H A N I C S ' I N S T I T U T E , 1885.**

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*To the Members of the Mechanics' Institute :*

WE are pleased to report, at the close of the Twentieth Industrial Exhibition of our Association, that in all respects it has been a success, not only financially but in good-will and kindly feeling from the public, particularly that portion from the interior of the State, who were represented by exhibits of natural products, and who for the first time have made a display at our Fairs, with satisfaction to visitors, and, we believe, profit to themselves, by calling increased attention to the capabilities of the soil of their locality and the superior quality of its products.

The reduction of tickets to members of the Institute, inaugurated last year, was continued at this Exhibition, and the system will no doubt be adopted in the future, as its advantages and benefit to the Institute are no longer an experiment.

Unquestionably, in the near future, more space will be required to accommodate exhibitors, which, fortunately, can be done without tearing down or moving the property, as has heretofore been the case.

The wisdom in purchasing the Pavilion Block, its present and great prospective value and direct influence on the prosperity of the Institute, must now be apparent to each member.

From an educational and industrial standpoint, the Mechanics' Institute and Industrial Exhibitions, by wise and careful management, may in the future, as they have in the past, occupy a position that will be a pride to our City and an honor to the Pacific Coast.

TREASURER'S STATEMENT OF TICKETS SOLD, AND  
RECEIPTS AT THE OFFICE.

MECHANICS' INSTITUTE, Oct. 15th, 1885.

*To the President and Board of Trustees of the Mechanics' Institute:*

GENTLEMEN:—I herewith submit my Report of the Receipts at the door, on account of the Twentieth Industrial Exhibition, showing each class of tickets sold.

								AMOUNT.
		ADULT SINGLE ADMISSION TICKETS,	CHILDREN'S SINGLE ADMISSION TICKETS.	APPRENTICES' SEASON TICKETS.	CHILDREN'S SEASON TICKETS.	SINGLE SEASON TICKETS.	DOUBLE SEASON TICKETS.	1885.
August	25.....	297	62	57	51	171	11	\$1,921 25
"	26.....	243	42	39	36	374	32	1,648 50
"	27.....	177	35	27	32	538	46	1,359 00
"	28.....	171	37	26	27	842	76	1,485 50
"	29.....	194	35	31	59	1796	214	2,161 50
"	31.....	87	20	5	19	818	71	957 75
September	1.....	75	11	6	18	952	81	940 25
"	2.....	60	9	8	21	1333	94	1,060 50
"	3.....	45	11	5	11	1150	88	879 00
"	4.....	41	5	2	8	1402	138	970 50
"	5.....	46	9	5	13	3547	501	2,182 75
"	7.....	23	6	6	4	1161	91	743 75
"	8.....	14	5	1	4	1409	131	829 75
"	9.....	16	3	1	7	2801	413	1,604 75
"	10.....	4	2	..	5	1951	138	1,043 50
"	11.....	1	2	1	..	1592	158	848 00
"	12.....	7	1	2	1	3897	507	2,117 75
"	14.....	3	3	..	..	973	60	525 50
"	15.....	2	..	..	..	1183	87	623 25
"	16.....	..	..	..	..	2099	154	1,088 00
"	17.....	..	2	..	1	1341	83	698 75
"	18.....	1	..	..	..	1283	110	674 00
"	19.....	..	..	..	..	3842	464	2,037 00
"	21.....	..	1	..	1	1001	87	526 75
"	22.....	..	2	..	..	1395	136	736 50
"	23.....	..	..	..	..	2865	284	1,503 00
"	24.....	..	..	..	..	2083	247	1,103 25
"	25.....	..	..	..	..	2217	256	1,172 50
"	26.....	..	..	..	..	4121	471	2,178 25
<b>TOTALS.</b>		<b>1,507</b>	<b>303</b>	<b>217</b>	<b>318</b>	<b>50,137</b>	<b>5,229</b>	<b>\$35,622 25</b>

Respectfully submitted,

J. A. BAUER, Treasurer.

## REPORT OF THE TICKET COMMITTEE.

3

## Report of the Ticket Committee.

## ACCOUNT OF TICKETS SOLD.

TWENTIETH INDUSTRIAL EXHIBITION 1885.										AMOUNT.
	CHILD EXCURSION 12½ cts.	ADULT EXCURSION 25 cts.	SINGLE CHILDREN 25 cts.	ADULT SINGLE ADMISSION 50 cts.	APPRENTICES' SEASON \$1 50.	CHILD'N'S SEASON \$1 50.	SINGLE SEASON TO MEMBERS. \$1 50.	DOUBLE SEASON TO MEMBERS \$2 50	DOUBLE SEASON \$5 00	
Ticket Office..	1507	.....	303	.....	217	318	50,137	5229	2436	\$35,622 25
Outside Sales...	612	.....	103	.....	26	165	.....	2436	201	4,289 60
Sold to Members at Library.....	....	1355	....	49	....	....	....	....	....	3,461 00
Totals..	2119	1355	406	49	243	483	50,137	5229	2436	\$43,372 85
Deduct Commission Outside Sales.....										146 45
										\$43,226 40

## RECAPITULATION.

2,119 Double Season Tickets @ \$5 00.....	\$10,595 00
1,355 " " " to Members @ \$2 50.....	3,387 50
406 Single " " @ 3 00.....	1,218 00
49 " " " to Members @ 1 50.....	73 50
243 Children's " " @ 1 50.....	.364 50
483 Apprentice " " @ 1 50.....	724 50
50,137 Adult Single Admission Tickets @ 50 cts.....	25,068 50
5,229 Children's " " @ 25 cts.....	1,307 25
2,436 Adult Excursion @ 25 cts.....	609 00
201 Children's " @ 12½ cts.....	25 10
	\$43,372 85
Deduct—Commission.....	146 45
	\$43,226 40

Respectfully submitted,

W. P. STOUT,  
 C. WATERHOUSE, }  
 J. SPIERS, } Ticket Committee.

## REPORT OF THE FINANCE COMMITTEE.

## EXPENDITURES.

## ADVERTISING—

Abend Post.....	\$ 19 00
Alta.....	112 75
Argonaut.....	10 00
Argus.....	5 00
Breeder and Sportsman .....	5 00
Bulletin (Evening).....	123 95
Call (Daily).....	110 50
California Journal.....	5 00
California Democrat.....	20 00
Chinese News.....	5 00
Christian Advocate.....	3 00
Chronicle, S. F.....	194 45
Commercial Herald.....	4 00
Commercial News.....	15 00
Courrier de San Francisco.....	14 00
Daily Republic.....	10 00
Daily Report.....	94 75
Dunphy & Co. (bill posting).....	93 86
El Cronista.....	5 00
Examiner.....	117 75
Expositor (Fresno) .....	10 00
Fair Daily.....	250 00
Figaro.....	10 00
Fraternal Record.....	5 00
Golden Gate.....	5 00
Grocer and Country Merchant.....	4 00
Grocer and Canner.....	4 00
Hayes Valley Advertiser .....	5 00
Hebrew.....	5 00
Hebrew Observer.....	5 00
Herald of Trade.....	5 00
Horn Hong (posters).....	6 50
Hotel Gazette.....	15 00
Humorist.....	5 00
Ingleside.....	7 50
Jewish Times.....	5 00
Jewish Progress.....	5 00
Journal of Commerce .....	19 00
Kohlberg & Co.....	10 00
L'Elvezia.....	5 00
<hr/>	
Carried Forward.....	\$1,354 01

## FINANCIAL REPORT.

5

<i>Brought forward.....</i>	\$1,354 01
La Republica.....	5 00
La Voce del Popolo.....	5 00
Law Journal.....	10 00
La Petit Journal.....	5 00
Lompoc Record.....	4 00
Masonic Record.....	5 00
Merchant, S. F.....	4 00
Mirror.....	3 50
Millman.....	4 00
Monitor.....	5 00
Music and Drama.....	3 00
News Letter.....	10 00
New Age.....	5 00
Oakland Home Journal.....	5 00
Oakland Times.....	12 00
Oakland Tribune.....	15 00
Occident.....	3 00
Overland.....	4 00
Pacific.....	3 00
Pacific Churchman.....	3 00
Pacific School Journal.....	3 00
Pacific Methodist.....	3 00
Pacific Pilote.....	4 00
Pacific States Watchman.....	6 00
Political Record.....	5 00
Postal Index.....	5 00
Programme.....	5 00
Post (Evening).....	111 25
Public Opinion.....	5 00
Ranch, Field and Fireside.....	5 00
Resources of California.....	10 00
Rural Press.....	62 50
San Franciscan.....	10 00
San Jose Journal.....	5 00
Scientific Press.....	12 50
Spirit of the Times .....	10 00
Tribune.....	5 00
Tivoli Programme.....	10 00
United Friends Journal.....	5 00
Valkeryn.....	4 00
Ventura Democrat.....	6 00
Ventura Free Press.....	4 00
Ventura Signal.....	5 00
<i>Carried forward.....</i>	<hr/> \$1,768 76

## TWENTIETH INDUSTRIAL EXHIBITION.

<i>Brought forward.....</i>	\$ 1,768 76
Voz Portugueza.....	4 00
Vindicator.....	5 00
Wasp.....	10 00
Weekly Star.....	5 00
Wood and Iron.....	5 00
	\$ 1,797 76

## ABT DEPARTMENT—

Cohen, H., cartage.....	\$ 57 00
Dowling, E., cartage.....	1 50
Gump, S. & G., repairing frame.....	3 00
Hansen, R., repairing frame.....	1 75
Helmken & Lachman, hardware .....	10 05
Home Mutual Ins. Co., insurance.....	4 45
Joseph, J., cartage.....	1 00
Lyons, Thos., cartage.....	10 00
Reynolds, T. B., insurance.....	70 00
Salaries, hanging pictures.....	67 00
Snow & Co., moving and hanging picture.....	14 50
	\$ 240 25

## BUILDING—

Adams, W. J., lumber.....	\$ 91 16
Bush & Mullett, closet valves.....	8 00
Drew, J. R., brackets and sawing.....	15 00
Joost Bros., hardware.....	28 50
McPherson, S., painting, whitening, etc .....	444 31
Miller & Hamilton, mill-work, etc.....	205 91
Montague, W. W., hardware.....	12 69
Salaries, carpenters and labor.....	415 12
Simpson, A. M., lumber.....	10 40
Starbird, A. W. & Co., lumber.....	30 51
Sweeny, John, marble slab.....	4 50
	\$ 1,266 10

## COMMISSION—

Agents and Stores, 5% on sales of tickets.....	\$ 146 45
	\$ 146 45

## DECORATIONS—

California Wire Works, wire.....	\$ 2 13
Chy Lung, lanterns.....	3 00
Davis Bros., glass balls.....	8 25
McPherson, S., bronzing, painting, etc.....	116 00
San Francisco Laundry, washing.....	9 25
<i>Carried forward.....</i>	\$ 138 63

## FINANCIAL REPORT.

<i>Brought forward</i> .....	\$ 138 63
Salaries, decorators.....	170 00
Strauss, Levi & Co., cloth.....	387 88
Wempe Bros., card-board.....	6 25
	_____
	\$ 702 76

**EXPENSE—**

Armes & Dallam, brooms.....	\$ 6 50
Bergstrom, John & Co., expense grand organ..	250 00
Buchanan Bros., brushes.....	22 50
California Pottery Co., pipe.....	24 75
California Wire Works, wire.....	2 00
Corlett, Theresa, damage to case.....	10 00
Electrical Supply Co., repairs.....	7 75
Feigenbaum & Co., flags.....	43 20
Fredericks, Jos. & Co., carpet.....	55 65
Harper, R. L., repairing chairs.....	100 50
Hopps & Sons, painting, etc.....	11 80
Kohler & Chase, moving piano.....	7 00
Lipman & Co., crockery.....	23 00
McPherson, Sam'l, signs.....	73 00
Miller, J. M., rent of cases.....	98 00
Montague, W. W. & Co., cups and chain.....	2 90
Neville & Co., bunting and cloth.....	37 25
Pacific Spring and Mattress Co., damage to exhibit.....	10 00
Pacific Bell Telephone Co., service.....	58 55
Perley, A. S., sprinkling streets.....	80 00
Plum, C. M. & Co., mirror.....	7 50
Saywell, Thos., plants, etc .....	12 50
Schroth, Julius, refreshments for press and jurors.....	51 25
Secretary, petty expenses.....	251 20
Stiles, W. C., breakage of mill.....	40 00
Stevens, J. A., rent of opera-house.....	50 00
Seth Thomas Clock Co., clock.....	35 00
Superintendent, petty expenses.....	18 90
Tweedale, T. G., petty expenses.....	9 00
Wells, F. Marion, repairing statue.....	15 00
Wells, Russell & Co., tank for fountain.....	16 50
United Carriage Co., opening exercises.....	16 50
	_____

\$ 1,447 70

**FLOWER EXHIBIT—**

Duhem, A., bouquets.....	\$ 8 50
Secretary, petty expenses.....	10 00
Superintendent, flowers.....	17 00
	_____

\$ 35 50

## TWENTIETH INDUSTRIAL EXHIBITION.

## FRUIT EXHIBIT—

Secretary, freight and cartage.....	74 65
Superintendent, freight on exhibits.....	38 35
<hr/>	
	\$ 113 00

## LIGHTING—

Boesch, Emile, reflectors.....	\$ 40 50
Bush & Mallett, gas fixtures.....	34 55
California Electric Light Co., electric light ..	300 00
Dunham, Carrigan & Co., pipe, etc.....	25 40
Grubb, S. H., pipe.....	13 83
Pacific Gas Improvement Co., laying pipe.....	10 00
895,700 feet gas @ \$1.40 per M.....	1,254 00
Salaries, gasfitters, etc.....	479 00
Secretary, petty expenses.....	5 70
Whittier, Fuller & Co., alcohol, oil and lead...	17 23
<hr/>	
	\$ 2 180 21

## MACHINERY—

Black Diamond Coal Co., 101 tons 520 lbs. coal @ \$6.25, \$632.80; cartage, 75c.....	\$ 633 55
Dunham, Carrigan & Co., supplies.....	43 50
Fulton Foundry, machine work and supplies...	106 90
Garratt, W. T., steam fittings, repairs to pump, etc.....	55 32
Goss & Dow, repairs to pump.....	4 50
Hendy, Joshua, Machine Works, rent of boiler, cartage and labor.....	268 81
Holbrook, Merrill & Stetson, oil tank.....	7 00
Lewin, E., blacksmithing.....	22 00
Ransome, E. L., foundation.....	40 00
Salaries, machinists, etc.....	178 50
Secretary, petty expenses.....	13 06
Wells, Russell & Co., tank.....	36 53
<hr/>	
	\$ 1,409 67

## MUSIC—

Schultz, Charles, 24 men 29 days.....	\$2,745 30
Scottish Pipers, one evening.....	20 00
<hr/>	
	\$ 2,765 30

## PREMIUMS—

Bancroft, A. L. & Co., certificates.....	\$ 25 00
Britton & Rey, diplomas .....	77 50
Bryant & Bentley, New York, grand medals....	525 00
California Jewelry Co., medals.....	1,762 05
<hr/>	
<i>Carried forward.....</i>	\$2,389 55

## FINANCIAL REPORT.

<i>Brought forward.....</i>	\$2,389 55
Cash awards, flowers.....	1,200 00
Cash awards, fruit.....	1,235 00
Cash awards, paintings .....	680 00
Muhs, A., medal boxes.....	185 00
Secretary, petty expenses.....	10 00
Southern, T. R., engrossing.....	44 50
	_____
	\$ 5,744 05

## PRINTING—

Bartling & Phillips, books made to order.....	\$ 33 50
Brodie, J. R., premium list, art catalogue, envelopes and circulars.....	329 75
Cubery & Co., circulars.....	69 00
Francis & Valentine, posters.....	77 00
Germain, D., circulars, notices, cards, etc. ....	120 25
Howard & Pariser, circulars, etc.....	99 75
Murdock, C. A. & Co., tickets .....	114 64
Oliver, H. & Co., engraving .....	19 00
Secretary, petty expenses .....	7 75
Sterrett, B. F., circulars, tags and cards.....	30 00
Thomas, P. J., report of Exhibition and receipt books.....	296 00
Winterburn J. & Co., electrotypes .....	5 00
	_____
	\$ 1,201 64

## SALARIES—

Wages, superintendent, secretary, janitor, engineer, clerks and watchmen.....	\$ 7,744 51
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## STATIONERY—

Bancroft, A. L. & Co., paper, ink, pens, pencils, etc.....	\$ 21 35
Secretary, petty expenses, stamps, etc.....	123 05
Zellerbach, A., envelopes.....	45 60
	_____
	\$ 190 00

## WATER—

Spring Valley Water Works, water for four and five-sixth weeks @ \$100 per week.....	\$ 483 30
	_____
	\$27,468 20

## TWENTIETH INDUSTRIAL EXHIBITION.

## RECAPITULATION OF EXPENSES.

Advertising .....	\$1,797 76
Art Department. ....	240 25
Building.....	1,266 10
Commissions.....	146 45
Decorations.....	702 76
Expense.....	1,447 70
Flower Exhibit.....	35 50
Fruit Exhibit .....	113 00
Lighting.....	2,180 21
Machinery.....	1,409 67
Music.....	2,765 30
Premiums.....	5,744 05
Printing.....	1,201 64
Salaries.....	7,744 51
Stationery.....	190 00
Water.....	483 30
	-----
	<u>\$27,468 20</u>

## PROFIT AND LOSS.

## REVENUE—

Sale of Tickets.....	\$43,372 85
Sale of Privileges.....	5,244 00
Sale of Catalogues.....	196 80
Gas used by Exhibitors.....	111 50
Donation Market Street Railway .....	150 00
Donation Sutter Street Railway.....	100 00
	-----
	<u>\$49,175 15</u>

## EXPENDITURES—

As above.....	\$27,468 20
Transferred to the Mechanics' Institute.....	21,706 95
	-----
	<u>\$49,175 15</u>

Respectfully submitted,

COLUMBUS WATERHOUSE,  
 BYRON JACKSON,  
 JOHN MALLON,

*Committee.*

# Preliminary Announcement

THE following circular, prepared by the Committee, was generally distributed in the City and throughout the State:

## TWENTIETH INDUSTRIAL EXHIBITION

OF THE

## MECHANICS' INSTITUTE.

THE Mechanics' Institute of the City of San Francisco, organized in 1855 for the dissemination of information and useful knowledge, which has held under its auspices Nineteen Industrial Fairs, again takes pleasure in announcing that the Twentieth Exhibition of Art, Manufactures, Science and Natural Products will be open on Tuesday, August 25th, at their immense Pavilion, located on Larkin, Grove, Polk and Hayes Streets, which will be still further enlarged and improved for this occasion, and supplied with every requirement for the proper display of Articles and Machinery, including a plentiful supply of Steam, Water, Gas and Power, the latter from a large and powerful engine to be manufactured expressly for this Exhibition.

It is a conceded fact that a Comprehensive Exhibition of Natural or Manufactured products, when given by a Government, State, County or Society, is productive of good to the general community by bringing together at one time the producer and consumer, the manufacturer and dealer, or those engaged in like occupations, whereby an exchange of ideas may

be had and comparison of results arrived at, which have been carried out in various ways for the same end, but under different rules and conditions.

The benefit of these gatherings of people and products has been recognized by all great nations, particularly our own Government, for twice our Representatives at Washington have made an appropriation for such purposes, namely: at Philadelphia and New Orleans. Material aid has also been given by nearly all the States in the Union to encourage and foster local Fairs within their borders, showing that our wisest legislators believe in such exhibitions, and recognize their benefit to the Commonwealth.

It is the desire of the Management to have the display of Manufactured and Natural Products as full and perfect as possible, that the varied resources of this Coast may be brought together in such form as may best afford the Citizen seeking information, the Capitalist seeking investment, the Visitor from the Eastern States or Immigrant from Europe seeking a business opening or a home, an opportunity to inform themselves of the skill and advancement of our Citizens and Inventors, and the variety, excellence and superiority of our Products, which in the near future must and will be an important factor in the World's consumption.

To that end the Managers hope to have a general display of Manufacturing Machinery in operation, Raw and Manufactured products, and all articles used in the Arts and Sciences and necessary for the wants of man.

Firms or individuals who wish to have their Articles brought into extensive notice for general good or individual benefit, can find no better place or opportunity than this occasion offers.

Liberal and Comprehensive Premiums will be awarded to Exhibitors, consisting of Gold, Silver and Bronze Medals, Diplomas and Cash.

At the close of the Fair a full and complete Report will be published for general distribution, with notice of each Exhibitor and article exhibited.

A copy of the Rules and Regulations, Premium List, or any desired information will be promptly given, or sent, on application to the Assistant Secretary.

# RULES AND REGULATIONS

OF THE

## TWENTIETH

# *Industrial Exhibition.*

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### RULE I.

THE Pavilion will be opened for the reception of goods on and after Monday, August 8th.

The exhibition will open to the public on Tuesday, August 25th, and continue open from day to day (Sundays excepted) until Saturday, September 26th. Hours of admission will be from 10 A. M. to 5 P. M., and 7 to 10 P. M., except Saturdays, when the exhibition will close at  $10\frac{1}{2}$  P. M.

### RULE II.

Articles can be entered for exhibition or competition, as desired.

If entered for competition, the articles must be in position and received for, and the entry tag attached, not later than Friday, August 28th.

Articles intended by the exhibitor for competition, but not entered and in position by the time specified, to-wit: August 28th, shall not, under any circumstances, be allowed to compete, except with the written consent of all the contesting exhibitors and sanction of the Board.

### RULE III.

The driving engine will be in operation three days previous to the opening, and exhibitors of machinery in motion will be required to have their machines in running order on the opening day.

**RULE IV.**

No charge of any kind will be made to exhibitors for space. Steam and water will also be furnished free, in reasonable quantities; but all platforms, counters, ornamental partitions, show cases and appurtenances, must be erected at the expense of exhibitor.

**RULE V.**

Application for space can be made at any time, and should be made as early as possible, and at least two weeks previous to the opening of the exhibition.

Blank forms of the applications for space will be furnished by the Secretary.

Space will be awarded as early as practicable (after the application has been received), consistent with the proper management of the goods.

Space allotted to applicants, and not taken possession of by the arrival of their goods, or otherwise, on or before Saturday, August 28th, may be assigned to other exhibitors.

The Board reserves the right to exclude from the exhibition all things they deem objectionable, as nostrums, articles of an explosive, inflammable, dangerous or offensive character.

Any exhibit of goods which, in the opinion of the Board of Trustees, is of an improper or objectionable character, may, at the option of said Trustees, be removed at any time.

The Board of Trustees reserve the right to refuse admission to any exhibitor or employee whom they may consider an improper person, or for other sufficient cause; and also to remove the goods of such exhibitor.

**RULE VI.**

Exhibitors will receive from the entry clerk, on the arrival of their goods, a receipt for the same, which must be presented for their delivery at the close of the exhibition. Articles entered for exhibition or competition must be so designated in the receipt.

### RULE VII.

There shall be three or more jurors in each class.

They will be men wholly disinterested and possessed of knowledge and experience in the class of articles assigned them.

Articles entered only for exhibition shall be so reported by the jurors, and so appear in the report of the exhibition.

Jurors may refuse to award any premium when articles competing are not meritorious.

In every case where the jurors have reached a decision, they shall file with the Secretary a report giving the name of the exhibitors, the articles examined, and the number of the class in which it is entered.

In cases where it is not practicable for jurors to test or examine machines in the building, or where models only are exhibited, they may go outside the buildings to make such examination or test, but the jurors must first procure from the Board of Trustees a written consent, which must be attached to their award when filed with the Secretary.

Jurors in each class will hold a meeting before making their final report, at which time exhibitors in the class will be invited to attend and explain the merits of their respective exhibits, under such rules as may be prescribed by the Committee on Rules, Regulations and Awards.

Should any juror, for any reason, before entering upon the examination, or while in progress, become incapacitated from serving, the Board shall select another juror.

All awards and recommendations of jurors must be submitted to the Board of Trustees on or before September 19th; and receive their approval before being final.

### RULE VIII.

The announcement of awards will be made by the Board of Managers, on Monday, September 21st. Successful competitors will be furnished with a certificate of their award on that date.

### RULE IX.

Power will be furnished for driving machinery from the main lines of shafting, which are 1 15-16 inches in diameter, and will

make about 110 revolutions per minute. Driving pulleys, 30 inches in diameter will be furnished free to exhibitors. Pulleys for the main line, if furnished by exhibitors, must be accurately balanced, and have the owner's name plainly marked thereon, and should be received and placed in position by Saturday, August 22d, as, up to that time, it can be done without unnecessary labor and inconvenience.

#### RULE X.

No article on exhibition can be removed until the close, unless by authority of the Board of Trustees; but reasonable facilities for making sales of articles, for delivery at the close of the exhibition, will be afforded.

Exhibitor's cards, circulars and samples may be placed within their space for distribution, but visitors shall not be solicited to receive them.

Exhibitors will be required to keep their spaces and exhibits clean and in good order, and in cases where they are covered at night, to remove such covering by eleven o'clock, A. M., and not to cover the same earlier than ten minutes before the closing hour.

#### RULE XI.

The most effectual means will be taken, through the agency of the police, and otherwise, to guard and protect the property on exhibition; and it will be the purpose of the managers to return all articles to the owners without loss or injury; but as the fair is for the benefit of the general public, and particularly for the business benefit of the exhibitors, and to add to the reputation of their wares, the Mechanics' Institute and the Trustees of the fair, will, under no circumstances, be responsible for any loss or injury to articles placed on exhibition, which must be invariably at owner's risk.

#### RULE XII.

In order to preserve the general harmony of the exhibition, and make the display of goods attractive, the Board reserves the right to direct the general arrangement of the articles on exhibition, and to regulate the character of all signs and advertisements.

Partitions may be erected in various parts of the building, but in no case more than four feet in height, except on the sides and ends of the gallery. Exhibitor's signs shall not be more than eight inches in width, and placed not less than eight nor more than nine feet from the floor, except on the walls of the building.

Exhibitors will not be allowed to give away samples of any article, the sale of which has been granted as a privilege.

#### RULE XIII.

Employees' tickets will be issued without charge to such exhibitors only, as, in the opinion of the Committee on Privileges, require the services of an attendant, and are not transferable. If transferred or loaned, the doorkeeper is instructed not only to refuse admission, but to retain the ticket, which by this violation of the rule is forfeited.

Employees' tickets found to be unnecessary for the purpose for which they were issued, must be returned to the committee.

Any ticket presented at the door for admission in violation of rules thereon shall be forfeited.

#### RULE XIV.

All boxes and packages containing articles for the exhibition should be marked "Twentieth Industrial Exhibition, San Francisco," with the name and address of the sender. If the freight thereon is paid, it will be taken charge of by the Board and removed to the Exhibition Building. Cartage at the expense of the exhibitor. A detailed statement of the contents of each box or package should be inclosed with the same, or sent separately by mail or express.

#### RULE XV.

The Board of Trustees do not consider the premium list herewith appended as complete, nor are articles entitled to premiums limited to the ones here enumerated; but any meritorious article on exhibition not herein mentioned, will receive due consideration from the jurors.

## THE OPENING EXERCISES.

THE opening of the Twentieth Industrial Exhibition was celebrated on the afternoon of Tuesday, August 25th, with appropriate exercises at the Grand Opera House. The spacious building was filled with friends of the Institute, while on the stage were seated the chaplain, orator, reader, invited guests and the Board of Trustees.

The following literary and musical programme, prepared by the Committee on Opening Exercises, Messrs. Bassett, Stout and Spaulding, was neatly printed and distributed among the audience:

## PROGRAMME.



After the introductory overture, "God Save America," by the orchestra, Rev. E. G. Beckwith made a brief prayer, invoking the divine protection to the exhibition, after which the orchestra rendered a grand overture, composed for the occasion by Charles Schultz. P. B. Cornwall, President of the Mechanics' Institute, then spoke as follows:

## THE PRESIDENT'S ADDRESS.

"All worthy men desire to do good to their fellow-men and to discharge honorably the duty which they owe to others. How shall we discharge those duties of usefulness and honor in any better way than by establishing an enduring institution of intellectual and moral power? The Mechanics' Institute is such an institution. Already it has cleared a path of progress and cast up a highway on which social industry may go forward. It has established in its own building, in the heart of the city, a great library, embracing the great topics of literature, ancient and modern, fiction, poetry, biography, history, science and art. It also owns its grounds and exhibition building, and its income is large and steadily increasing. Its property and revenue are

irrevocably pledged to the public for the uses of the library and education, and can never be diverted to individual or selfish ends. It is my duty and pleasure to welcome you in its name to the opening of its Twentieth Annual Exhibition. This year, for the first time, several of the most fertile counties in the State have sent us their richest products of vineyard and field. And the State is beginning to feel that the Mechanics' Institute, situated at the center of trade and commerce, is the principal and most advantageous theater for the exhibition of the proceeds of the soil and of industrial arts. Under such happy auspices our Twentieth Exhibition now opens. I welcome you to its pleasures and to its privileges. Men and women, young men and young women, I invite you to take part in the administration of its affairs. I invite you to its membership, which by a small fee entitles you to an active participation in the great benefactions of the Institute which we enjoy, and which shall descend to coming generations."

After a cornet solo, "Brilliant," by John Dunnigan, the orator of the day was introduced and delivered the following:

#### ORATION BY HON. HENRY C. DIBBLE.

*Mr. President, Ladies and Gentlemen:*—The annual industrial exhibitions of the Mechanics' Institute of San Francisco are intimately identified with the marvelous growth and phenomenal development of California. A collection of the reports of these expositions, running through twenty years, would afford ample material for a history of the industrial and mechanical progress of the State for more than half the period of its existence as a commonwealth. It is not surprising, therefore, that the enthusiastic and energetic people of this city and vicinity, as well as many from a distance, should regard this Fair with warm sentiments of affection. That they do so is not only evinced by the hearty co-operation of the public press, but also by the generous support given to the Mechanics' Institute, in aid of this beneficent enterprise, by the intelligent, industrial classes of San Francisco and surrounding country. This generous support, which is shown by the annually increasing number of visitors, has yielded its golden harvest to the Institute, and has enabled it to yearly improve the exhibitions by furnishing better facilities to exhibitors, by more extended advertisements, by adding to the lists of premiums, by offering new attractions, and by numerous other devices which the worthy Board of Managers so clearly understand.

#### AN INDUSTRIAL EXCHANGE.

And so, year after year, the mechanical and industrial classes, and all the good people of the State who are interested in its material prosperity, have had opened for them an annual exchange, as it were, of its industrial and mechanical resources, where, at this Fair each year, the manufacturer, merchant, inventor, artist, machinist and skilled laborers of all grades have been enabled to meet and take note of the further progress which may have been achieved in the line in which each respectively is most interested; and, bringing their

own wares and work, they have entered the generous rivalry offered by the premium lists as to the superiority of their manufactured products or handicraft. What higher commendation could any industrial institution receive than the expressed desire of the manufacturers and mechanics to obtain its certificate of best? And, taking a broader view for a moment, what incalculable good to the whole State must result from the better work of the manufacturers and the artisans in their efforts to excel each other!

#### CHARACTER OF OPENING EXERCISES.

The opening of the Fair has, according to the custom of the country, been made a day of ceremony, and the observance of this custom by the Institute has served to enrich its records. The printed annual reports during the years past contain many interesting, instructive and eloquent discourses delivered on opening days. These discourses, thus printed in the reports of the Institute, have been widely distributed, and have aided in arousing a further interest in the expositions. Many of these addresses are filled with valuable facts relating to the industrial progress of the State, with profound and philosophic discussions, with model disquisitions upon the dignity of labor, upon the relation of mechanical industries to the progress of civilization, and upon the sovereignty and dominion of man over nature. Indeed, in looking over the reports of the exhibition for only a half dozen years past it would seem that the subjects suitable for discussion on this occasion had been elaborately exhausted by the able and eloquent gentlemen who have spoken from this rostrum. A few years ago, for instance, a talented and much-beloved citizen, who is an honor to the State, and whom the people delight to honor, for they have sent him to Congress, gave a comprehensive review of the growth of the agricultural, mining and manufacturing wealth of the State and a history of the important mechanical inventions made in California. On a more recent occasion an eminent journalist, whose vivid and graphic style is familiar to every reader on the Pacific Coast, and of whom all Californians are proud, however much they may abuse him, discoursed eloquently upon the important influence which the artisan and mechanic classes have had upon the progress of society and civilization. Another, a distinguished divine, exalted the dignity of labor in such eloquent and beautiful terms that there is nothing left to be said upon that subject. And again, on an earlier occasion than any yet mentioned, an honored citizen of California, who has been often called to the councils of the nation and who has served the country in high diplomatic position, in the course of an address devoted to a discussion of the dignity of artisans, as exemplified in several international expositions, laid special stress upon the advantage of these Fairs as great schools of object teaching. Thus it may be seen, by a reference to the subjects treated by a few only of the speakers, that the speaker of to-day is left without much scope unless he should repeat. In view of these considerations it seems necessary to devote the brief time allowed to an examination of one or two general laws whose operations are to be observed in the progress and development of social life and industrial prosperity.

## A STUDY OF HUMAN NATURE.

In one of the addresses mentioned, delivered from this platform, the orator said: "The tendency of modern civilization is to honor the inventive worker and to bestow upon him the praise heretofore reserved for the successful warrior." Without doubt this is the current belief as expressed by public men of the day and in modern literature; and yet the magnificent procession of sorrow which was witnessed in New York a few days ago at the burial of a great soldier, which was repeated across the continent and here at the Golden Gate on a smaller scale, but with no less sincerity or solemnity—the profound and universal sorrow thus expressed by the American people over the death of their greatest General might seem to throw a doubt upon the statement quoted and the belief referred to. Has there been such a change in the world's estimate of greatness? Is it true that as modern civilization has advanced, men have come to hold a victorious soldier in no greater esteem than other successful men? Is it a fact that the industrial captains of this iron age have taken the place in the hearts of the people once held by the warrior chieftains who were beloved and honored for glorious victories and patriotic deeds? These inquiries present an interesting study of human nature. Let us pursue it a moment. Human nature is the same to-day as in the past ages. It does not change. Men are exalted and honored and revered to-day for the same reasons as in all times past. But what is it that causes the people to follow men as their leaders, to exalt them as chieftains, to honor them above their fellows, to revere them as heroes? Is it not because such chosen few have wrought results which have been or which have seemed to be of value to their race? What is hero-worship but the worship of success? What is the measure of human greatness but the net product of a man's life valued by his fellow-men? And the world has always delighted to honor men who have achieved greatness, whether as soldiers, as statesmen, as builders of cities, as teachers of philosophy, as poets, as musicians, as painters or sculptors, and yet no less as artisans. Stephenson and Watt and Fulton and Arkwright were esteemed and are honored by the world for the same reason that Fabius Maximus was honored by ancient Rome, that Count Cavour is esteemed by modern Italy, that Washington and Grant are revered by their countrymen. There may seem to be exceptions to this rule. Aristides was driven from Athens, Galileo was persecuted, and the wisest and best men of all times have been maligned. Grant, as Bishop Fowler said in his memorial oration, "was the best abused man of his day." But such incidents are temporary aberrations of public opinion. Aristides was recalled and named the Just, Galileo was honored and respected by the whole world as a great discoverer, and the character of Grant has become lovingly and indelibly impressed upon the American heart. In the end public opinion rights itself.

## EVOLUTION DETERMINES SOCIAL AND INDUSTRIAL PROGRESS.

After all is said the heroes of any age are themselves the product of the laws of development and growth which determine the evolution of society and the progress of civilization. It is but trite to say at this day that no one now

disputes or doubts the universality of law, and it is scarcely less disputable to say that the intelligent world has now accepted the doctrine of evolution as propounded by modern philosophy. All that in the world is was produced under the operation of God's universal laws of growth, development and progress. This is no less true of society, in its broad and comprehensive sense, than of animal and vegetable life. Nations are results of the law of evolution. Nations are not formed or created or established in any proper meaning of those terms; they grow—are the results of growth, as are all other living entities. Lawyers and philosophers of the past have talked and written about the "social compact," assuming the existence of an entirely fictitious and imaginary so-called natural state of society, where men have voluntarily entered into the social relation, agreeing then and there to surrender portions of their natural liberty in consideration of future protection. This idea runs through much of English, French and American literature of the present and past centuries. It has absolutely no historical justification, and it is out of all harmony with the doctrine of evolution. In truth, man never existed in any other condition than in the social relation. Not that his earlier state was in that higher condition of development into nations; but the unit of all social and political movement and progress has ever been a social group. The line of social and political advancement and development is from the family and tribe to the nation. In the divine economy of the world the nation was designated to be the highest product of nature's laws. It is God's plan for making greater homes for His children on this earth.

#### A SPECIAL VIEW OF EVOLUTION.

There is an aspect of the law of evolution that should be here noted: Progress by evolution is ever from the homogeneous to the heterogeneous, from the simple to the complex. But the operation of this law produces an invariable resultant—that is to say, organic life. This is observable in the animal and vegetable kingdoms, but no less so in the social and political order. Thus nations are formed, and, having achieved organic life, they become self-conscious organic beings. They develop definite tendencies and manifest specific historical purposes. As growth and progress proceeds under the operation of the law of evolution, in all phases of life, there is produced what is termed a differentiation of functions—this thing is set apart to do that thing, that to do another, and so on. In the social and political order this law is manifested by the development of different callings and industrial pursuits in life, and by the segregation and distribution of the powers and duties of government. And it is to be noted that the tendency to the differentiation of functions in the process of development and in the course of progress is only limited by the necessities of the organic life, which is the ultimate object and product of evolution; but that, at the same time, the law of differentiation of functions *relates solely to such organic life and to nothing beyond*.

#### THE NATION AND NATIONAL ECONOMY.

Under the operation of evolution, development and progress in the social and political order proceed, as we have seen, to the construction of the

nation, which is the ultimate design of nature and of God. In the course of such progress this law of differentiation of functions is ever operative—these men are set apart to do one thing, those to do another. We call it a division of labor. But it is not in the design of this grand economy that such differentiation of functions or separation of employments should relate to the welfare of others than those who have been associated as a nation, and who are bound together by the instinct of patriotism and the passion of loyalty. In a word, in God's economy for the welfare of the human race, it was designed that each nation should perfect itself, and to that end should accumulate wealth for itself. And it was designed that the nation, developed and constituted as we have seen, should become a source and means of protection to its constituent members in their efforts to achieve further material and industrial progress. Up to a certain point the law of evolution in society may be said to be unconscious in its operations, but with the attainment of organic national life unconscious evolution gives place to conscious development, so that national protection to the industries of a country should become the defined and determined policy of the nation. And such has been and will be the policy of the American Republic.

## EVOLUTION AND POLITICAL ECONOMISTS.

The English school of political economy founded by Adam Smith, which has its representatives in France and America, has claimed and claims the exclusive right to furnish the only safe rules and true methods for the production of wealth and for the development of material prosperity throughout the world. We are told that it is the A B C of social science that, in the production of wealth, the welfare of mankind demands that the law of differentiation of functions must have full and untrammeled play throughout the earth: these people should manufacture, those raise raw material, others should produce food, and so on. And here, without pausing to argue, it will suffice to say that in this proposition is found the ultimate justification of their theory. But may it not be possible that in this very proposition lies the fallacy of the argument? May it not be possible that an understanding of the natural limit and true scope and purpose, in the divine economy of the application of the law of differentiation of functions, already suggested, would furnish a refutation of the economic doctrine which is opposed to national protection.

## JUSTICE TO OUR INDUSTRIAL CLASSES.

There are no people in our country so much interested in the maintenance of our American system of national economy as the manufacturing and artisan classes throughout the land. They are the bone and sinew of the nation. Intelligent, progressive and intensely patriotic, they vie with each other and with their countrymen engaged in other pursuits in efforts to advance the prosperity of the country and the glory of the Republic. They help maintain the schools, they aid in the enforcement of the laws, they contribute taxes, and they stand ready to bear arms in defense of the flag. Why should they

not have such protection from the nation as their just interests demand? And reciprocity of interests among the industrial classes of the country renders it to the advantage of all that such protection should be given to each. The agriculturist finds a sale for his products and the tradesman his opportunities in the great manufacturing and industrial centers, which are built up through the effect of national protection.

#### A GLANCE AT THE FUTURE.

As we contemplate the future of the Republic, what a magnificent vision rises before the imagination! A nation which must soon reach in number a hundred millions, inhabiting a land of infinite productive power, extending from ocean to ocean and from the frozen lakes to the sunny shores of the great gulf; a land of incalculable riches, blessed with unbounded liberty; a people enlightened by education and inspired by a reverence for that God whose laws produced their happiness; a self-conscious nation, with a defined purpose to protect its citizens in every political and civil right and privilege, and to protect the industrial classes, capitalist and laborer alike, whether against the insidious attacks of an antagonistic economic policy from England, or the dangerous encroachment of an Asiatic horde. Nor shall there be in America less of that beautiful sentiment which in other lands and in all ages has led men to look up and cling to the noble and heroic characters who have arisen to lead, or command, or instruct, or inspire. Who can say what shall be the ultimate fate of this mighty Republic? That it will not be overpowered goes without saying. Whether its destiny may demand an extension of its dominion, who can now know? That that destiny may require that it shall present itself as a barrier to some onslaught upon Christian civilization is possible. But whatever its trials, whatever its future, whatever its destiny, whatever its glory, this we know: that the man for the occasion will be found, as, when the nation's life was in danger, Grant was found.

The remainder of the programme, consisting of a song, "Good-bye," by Miss Rose Coursen; recitation, "Forging of the Anchor," by Miss Mary L. Cooper, the young lady delivering with very fine effect; and "Prestissimo Galop," by the orchestra, was excellently rendered, and the audience dispersed.

The Pavilion was opened to visitors at seven o'clock in the evening.



# ALPHABETICAL LIST

or

## EXHIBITORS AND ARTICLES EXHIBITED

[*Except those in the Art Gallery, for which see Catalogue following this.*] 

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### A

#### CLASS.

- 39 Acme Bath Manufacturing Co..... Vapor Bath Cabinet  
37 Adler, Sig. & Co..... "Newman's," "Watchman" Time Controller  
(Clocks).  
47 Aiken, Chas..... Santa Cruz Mountain Fruit  
40 Alger, Miss Anita..... 7 Pieces of Embroidery  
31 Allen, James G .. Stove Polish, Axle Grease, Crucibles, Lead Pencils,  
Graphite, Shoe Dressing, etc.  
13-19-24 Albrecht & Waters..... Display of Buckeye and Gasoline Stoves,  
Roasters, Griddles, Pipe-shelf and  
Flat-iron Heaters, Sash Fastener,  
Locks, Castors, Screens, Transom-  
lifter, Door Hanger, etc.  
40 Altman, Bertha..... Embroidered Picture, Specimen of Embroidery,  
Lace Pillow Sham.  
5 Angell, H. B..... Model and Photographs of Dredging Machine,  
Model of full-sized Link of same.  
40 Anthony, F. B ..... Cock and Hen in Japanese Embroidery  
40 Auderson, Miss Tillie..... Specimen of Hair Work  
36 Appleby, Wm..... Handwork in Printers' Ink  
40 Aricensen, Louisa..... Hand Knit Bed Spread  
44 Armer, S. P..... Specimens of Hand Lettering  
19 Aston, Geo. P. & Co..... Portable Conservatory  
47 Ashby, D. E..... Display of Preserved Fruit in Patent Glass Jars  
42-44 Aslachsen, Robert Shields.... Painted Sofa Cushion, Music Portfolio  
(Plush), Lustre Painted Fan,  
Painted Table Scarf, Mechanical  
Drawings.  
19 Atkinson, Mrs. G. F..... California Wood Turned Articles  
47 Austin, Mrs. F. F..... Muscat Grapes and Raisins  
31 Ayers, Mrs. J. C..... "J. C. Ayers" Drawing and Healing Salve

## B

## CLASS.

- 1 Badlam, E. B.....Small Combined Engine and Boiler, in motion
- 34 Baldwin, E. J.....General Display of California Wines and Brandies
- 29 Balmforth, Mrs. V. V .....Specimens of Button-hole Casings
- 1-11 Baker & Hamilton.....Plows, Mowers, Seed Sower, Cultivators, Harrows, Headers, Steam Threshing Engines, Buckboard, Spring Wagons, Barley Crusher, Thresher, Seed Drill Disc Harrow, Revolving Churn, Corn Shellers, Coffee Mill, Vineyard Plow, Cider Mill, Knapp's Side-hill Plows, Sweepstake Hay Cutter, Samples Rig Hosepatches, Benicia Light Spring Wagons, Benicia Wheelbarrows, Benicia Buggy, Benicia Gran- ger Gang (8-in.)
- 29 Balny, A. J.....Ostrich and Fancy Feathers
- 4 Banks, Wm.....Wood Planer and Edger Combined, California make
- 47 Bard, Mrs. Thomas R.....Display of Jams
- 34-47 Barton, Robt.....Display of Native Wines and Burger Wine Grapes
- 19 Bateman, Wm.....Patent Wire Window Screen
- 11 Bauer, C. F.....Vegetable Cutters
- 38 Bayley, Geo. B. ....Incubators and Brooders, in operation
- 39 Beeman, Wm. ....Trusses, Artificial Limbs and Surgical Appliances
- 14 Benn, John S.....Artificial Flies
- 40 Bernhard, Mrs. P. D.....Lace Work
- 20 Bergstrom, John.....Large Pipe Organ
- 8 Bien, J.....Fire Escape
- 31-33 Birnbaum, H. B. ....Cibils' Fluid Beef Extract and Roman Spa Mineral Water.
- 11 Bishop, Ira.....Sack Elevator
- 5-19 Blackman, George V.....National Cash Register, Hidden Patent Door Knob and Gravity Lock.
- 40 Blackman, Mrs. P. S.....Embroidery
- 26 Bloom, Samuel.....Samples of Wool
- 5 Bodwell, H. H. & Son...Self-regulating "Excelsior Improved" Windmill, Self-regulating "Farmers' Friend" Windmill.
- 18 Boesch, Emile.....Display of Reflectors, Head-lights, Signal Lamps, Pressed and Bent Glass (for lamps), Specimens of Metal Spinning and Stamping, etc.
- 40 Bolts, Mrs. J. F. ....Dressed Pictures
- 22 Boller Furniture Manufacturing Co.....Display of Furniture, Mantels, etc.
- 5 Boschke, A.....Model of Hydraulic Dirt Conveyor

## CLASS.

- 40-42 Boyd, Mrs. N. E.....Specimen of Painted Guest Cards, Table Scarf, Kensington Painting, Patent Pins.
- 40 Bradley, Mrs. Frank.....Crazy Quilt and Pillow Sham
- 20 Bree, T. W.....Display of Banjos, California make
- 42 Brodt, Miss Helen.....Display of Porcelain Painting
- 47 Broughton, W. W.....Display of Fruit
- 40 Brown, Mrs. E. S. ....Prepared Ferns for Ornamental Purposes
- 19 Brown, R.....Patent Dovetail Lathing
- 17 Browell, J ...Browell's Patent Chimneys, Terra Cotta Chimney-tops, Browell's Patent Plumbago Lining for Chimneys, etc..
- 31 Brownlee, F. C. & Co.....Needham's Extract of Red Clover and Blossoms.
- 24 Buchanan Bros....Dusters, Brushes, Wringers, Carpet-sweepers, etc.
- 32-47 Buell, R. T.....Display of Barley, Wheat and Minerals
- 37 Bujannoff, R..General Display of Fine Jewelry (his own manufacture)
- 40 Buford Free Kindergarten.....Samples of Fancy Work by the Pupils
- 29 Bullion, Miss Nettie.....String of Buttons (1,000)
- 26 Bullard, Frank.....Display of Full-bred Spanish Merino Wool
- 21 Burgtorf, C. W.....Road Cart with Changeable Pole and Shafts and Sliding Seat.
- 35 Burnell & Turner.....Display of Albion Ale and Porter
- 18 Bush, B. F.....Automatic Gas Burners
- 29 Butler, B. F.....Display of Millinery
- 40 Butte, Miss Maggie.....General Display of Lace-work, etc.
- 24 Byler, T. A .....Patent Coffee-pot

## C

- 33 California Cracker Co.....Assorted Cakes, Crackers, etc.
- 00 California Electric Light Co.....Dynamos and General Display of Electric Lighting.
- 38 California Electrical Works....Low Water Indicator for Steam Boiler, Assortment of Bells, Electric and Telegraphic Apparatus, Fire and Burglar Alarm Apparatus (automatic), Hotel Annunciator, Printing Apparatus, Electric Clock and Pen, Stock Indicator, etc.
- 8-11-31 Cal. Fire Apparatus M'fg. Co..Climax Fire Extinguisher, Automatic Hand Grenade, Fruit, Vine and Flower Spray Pumps, Fruit, Vine and Warehouse Engine Combined Pumps, Synovial Axle Lubricator, Hose Cart and Fire Dept. Supplies
- 31 California Glue Works (M. Holje).....White Glue and Neat's-foot Oil

## CLASS

- 12 California Wire Works...Display of Wire Goods, Chairs, Tables, Wire, Wire Rope, Wire Cables, etc.; Model of Hallidie's Patent Tramway.
- 40 Carr, Mrs. May.....Lamp-mat
- 21 Carvill M'fg. Co.....Rockaways, Top Buggies, Phaetons, Chaise
- 40-42 Carlson, Mrs. C. M.....General Display of Arrasene, Chenille, Kensington and Raised Filloselle Work, Lustra Painting, Kensington Painting, Tapestry Painting, Brocade Painting, Ribbosene and Jewel Arrasene Work, Plush Work, etc.
- 40 Cash, Mrs. G. A.....Lace Crochet Spread
- 31 Celery, Beef & Iron Co.....Celery, Beef and Iron
- 11 Christian, John.....Thresher Teeth (Cal. make)
- 5-26 Chronicle, S. F ...Stereotype Plates (finished and unfinished), Stereotype Cuts, etc., Rolls of Printing Paper.
- 5-33 Ciphers, D. S.....Popcorn Machine and Popcorn
- 10-22-27 Clark, T. S & Son..Parlor Folding Beds, Metal Spring Bed-bottom, Spring Bed, Tubular Iron Bedstead, Carpet Lining, Stair and Mattress Pads, Angora Rugs, Camp Supplies, Settees, Wire Cloth Weaving Machines (in operation), Sham Holders, Kitchen Cabinets, Bed Springs (Cal. make), Hair Mattresses.
- 22 Clark, G. W. & Co.....Display of Wall-paper, Decorated Wall Hangings, Window Shades, etc.
- 33 Clark, Thomas & Co.....Flour and Mill Products
- 40-42 Claymore, Mrs. E.....Tapestry Pictures and Kensington Painting
- 5-18-31 Coburn, C. W. & Co....Display of Enoch Morgan & Son's Sapolio, Woodman Linseed Oil, St. Louis Electric Lamp, Cal. Olive Oil, Lowell Patent Stopper, Hand Sapolio for Toilet use, Pulver's Lubricating Compound.
- 40 Collins, Mrs. Corinne....Plush Piano Scarf and Embroidered Screen
- 47 Collins, James.....Display of Fruit
- 31 Coleman, W. T. & Co.....Display of Candles (Cal. make)
- 24 Coos Bay Stave & Lumber Co.....Display of Wooden Ware
- 25 Cook, H. N....Leather Valises, Hose, Drapers, Belting, (Cal. make)
- 11 Cook, A. R.....Emerson's Safety Neck-yoke
- 24 Connor, J. M. & Co.....Display of Kitchen Utensils
- 40 Copeland, Mrs. Geo. D.....Display of Fern Work
- 40 Corr, Miss Maggie.....Air Castle
- 40 Cornwell, Mrs. A.....Crazy Quilt
- 40-42 Corlette, Mrs. Teresa....Display of Barbatine and Florentine Work, Bouquet Skeleton Leaves.

## CLASS.

- 43 Corlette, Miss Ethel ..... Oxidized Heads and Plaque  
 5 Corwin, G. B. & Co. Type Writers with Inter-changeable Type Sleeves  
 40 Cotter, Mrs. J. E. .... Preserved Flowers and Preserved Bridal Bouquet  
 47 Covert, Mitchell & Brown..... Specimen of Dried Fruit  
 24-38 Croley, Geo. H..... Incubator, Sealing-wax, Strings, Jar and Can  
                                  for Fruits.  
 36 Cubery & Co..... Display of Society Cards  
 42 Curtis, Mrs. L. M. & H. G. Peelor..... General Display of Decorated  
                                  China.  
 5 Cutting, L..... Railway Egg Turning Device for Incubators  
 31-33 Cutting, J. T. & Co..... Display of Germea, Zeatine, Extract of Beef,  
                                  Pearline, Extract of Chicken, Liston's  
                                  Pure Bouillon, etc.

## D

- 1 Darragh, John H..... Rotary Steam Engine  
 11 David, August..... Grape Stemmer and Crusher  
 11 David Bradley Manufacturing Co..... Sulky Plow, Gang Plow, Culti-  
                                  vators, Hay Rake, Walking  
                                  Plows, Harrow.  
 29 Davidson. Shuster & Co..... Este's Dress Cutting Apparatus or Chart  
 38 Davis & Look..... Golden Gate Incubators, Golden Gate Brooders  
 16 Davis, Frank A..... Display of Cutting Dies for Leather, etc.  
 18 Day, Thomas & Co..... Display of Hanging Lamps, Chandeliers, Gas  
                                  Fixtures, Art Work, etc.  
 34-47 Day, J. A..... Dried Fruits, Fruit Brandies  
 40 Dederky, Mrs. H..... Hand Knit Bed Spread  
 40 De Lano, J. W..... Tapestry Picture, Banner Knight Templar  
 33 De Long, F..... Cider and Vinegar  
 31-33-34-47 Del Valle, J..... Wines, Brandies, Olives, Olive Oil, Oranges  
 12 De Pryne, W. H..... Case of Horse Shoes  
 42 Delahaye, Miss E..... Painting on Porcelain, Bisque Plaque, Painting  
                                  on Silk.  
 33 Deming Palmer Milling Co..... Display of Steel-cut Oat Meal, Ground  
                                  Oat Meal, Hominy, Buckwheat  
                                  Flour, Graham Flour, Rye Flour,  
                                  Rice Flour, Rye Meal, Corn, Yel-  
                                  low and White Meal, Wheat Meal,  
                                  Cracked Wheat, Buckwheat Groats  
                                  Pearl Barley, Split Peas, Farina,  
                                  Flake Pearl Wheat, Creany's  
                                  Patent Roller Wheat Flour, etc.  
 5 Denning, J. F..... Display of Caligraphs  
 32 Deseret Crystal Salt Co..... Samples of Salt  
 121 Dewey & Co..... Sanborn Chain Pulleys  
 5 Dietz & Boyland..... Model of Patent Snow Plow

## CLASS.

- 29-44 Dittman, E.....Fancy Cards and Leather Goods  
 2-5-11-22 Dixon & Sanborn....Chiffonnier, Patent Folding Bedstead, Model  
     of Hay-stacker, Pillow Sham Holder,  
     Patent Churn, Automatic Water Wheel,  
     etc.  
 32 Dohrmann, A.....General Display of Minerals of the Pacific Coast  
 33 Dolder, Mrs. L. F.....German Pickles  
 38 Douglas & Little.....Display of Incubators and Brooders  
 31 Downing & Schmidt...Display of Florida Water (Murray & Lanman's)  
 47 Doyle, G. W.....Peaches  
 34-47 Drummond, J. H.....Wine and Table Grapes (116 varieties, mostly  
     imported), Display of Table Wines.  
 47 Dudley, Henry.....Peaches  
 13-18 Duffy & Williams.....Patent Tubular Boilers, Tea Kettles and extra  
     bottoms, Gas-logs.  
 47 Dugan, John.....2 Monster Potatoes  
 46 Duhem, A.....Display of Choice Flowers, Plants and Grasses  
 13 Duncan, J. M.....French Ranges  
 39 Duncombe, Wm. S.....Display of Medical Books, Charts, etc.  
 47 Duval, E. A.....Display of Dried Fruit  
 8 Dye, E.....Fire Escape

## E

- 43 Edwards, Morton A.....Plaster Medallion (Gen. Grant)  
 47 Eisen, Gustav.....Dried Figs  
 47 Eisen Ranch.....Display of Grapes  
 38 Electrical Supply Co.....Display of Electrical Apparatus  
 47 Ennis, F. F.....Display of Dried Fruit, Jellies, Jams, etc.  
 40 Espel, Mrs. R. J.....Air Castle  
 24 Everingham, S. M.....Combination Step-ladder and Ladder  
 31-34-35 Evans, A. F. & Co....Display of Anheuser-Busch St. Louis Lager  
     Beer, Val Blatz Milwaukee Beer, G. H.  
     Mumm & Co's. Champagne, Hathorn  
     Natural Mineral Water, Nicholson's  
     Liquid Bread, Malt Extract, Duffey's Malt  
     Whisky, Rutland Sour Mash, Scourene,  
     Martinell's N. Y. Cider, Lactart (Acid of  
     Milk).  
 5-26 Examiner Publishing Co...Stereotyped Plates finished and unfinished,  
     Stereotype Cuts, Bales and Rolls of Paper

## F

- 32 Falconer, R. S.....Moose Head, stuffed and mounted  
 9 Farciot, Chas. O....Steam Launch, made on the Yukon River, Alaska

## CLASS.

- 22-26 Farrar, B. F.....Furniture and Upholstery including Parlor and Bedroom Sets, Sofa Beds, Extension Lounges, Folding Beds, Easy Chairs, Spring and Hair Mattresses, Metal Spring Bed-bottoms, Curled Hair, etc.
- 32 Farwell, J. D.....Specimen of Sandstone
- 5-13 Farmer, E. H.....Woolsey Steam Generator, Model of Cheese Vat
- 18 Fassett, W. & Co.....Columbia Gas Regulator
- 14 Farnsworth, A. C.....Bronzed Hardware
- 24 Farnsworth, C. J.....Peerless Ice Cream Freezer
- 40 Favor, Miss A. M.....Display of Fancy Needle-work
- 36 Feaster, J. P.....Weed's Slate Washer and Dryer
- 21 Feigenbaum & Co..Carriages, Velocipedes, Bicycles, Sulkies, Wagons, Barrows, (for children.)
- 40 Feigenbaum, Mrs. B.....Bed-spread, Embroidered Picture, Set Pillow Shams.
- 34 Fenkhausen, A. & Co....Display of Old Tennessee White Rye Whisky
- 24 Fenton, Mrs. S. M.....The Peerless Dishwasher and Mop
- 40 Ferris, Miss Jennie .....Crocheted Pillow Shams and Bed-spread
- 47 Finney, C. E.....Canned and Preserved Fruits, Dried Fruits
- 29 Fish, Master L. E.....String of Buttons
- 42 Fish, Mrs. F. A.....Painted Glass Pitcher and Handkerchief Box, Painted Lambrequin, Tidy and Terra Cotta Vase.
- 25 Fisher & Burgess.....Horse Collar with Patent Clasp
- 45 Flaglor, A. P.....Ivory Type in Frame on Double Easel
- 26 Flint, H. B.....Display of Wool
- 47 Flood, J. C.....Gloria Mundi Apples
- 5 Forbes, A. P.....Combination Weighing and Measuring Jar
- 31 Forbes & Plaisted.....Castalian Mineral Water
- 40 Forrest, Mrs. W. D.....Embroidered Silk Quilt
- 35-24-47 Fortman, H. & Co. (Pacific Brewery)..General Display of Hops, Barley, Malt, Porter and Brewing Materials.
- 40 Foster, Mrs. E. P.....Palm Basket
- 35 Franks, Jas...Display of Bottled Lager Beer, (National Brewing Co.)
- 35 Fredericksburg Brewing Co.....Display of Fredericksburg Beer
- 34-47 Fresno County.....Display of Fresh Fruits, Grains, Dried Fruits, Native Wines, etc.
- 29 Freud & Sons.....Display of Corsets and Bustles
- 31 Fulton, John J.....Fulton's Radical Remedy

## G

- 46 Gallagher, Edward A. T.....Bamboo Plants, (grown in Oakland)
- 21 Gambrinus Brewing Co.....Bottle Beer Wagon

## CLASS.

- 31 Gamble, Mrs. John C.....Lemon Bloom (pure lemon juice), Grape  
Juice (pure and simple.)
- 1 Garratt, W. T. & Co....Pitchford Corliss Engine, with non-detaching  
Automatic Cut-off.
- 40 Garcia, Mrs. L. P.....Spécimens of Lace Crochet
- 37 Gartanlaub, A.....Display of French Quartz, Diamonds, Oxydized  
Jewelry.
- 40 Garrick, Mrs. Julia.....Lace Bed-spread
- 18 Gas Consumers' Association.....Gas Regulator
- 40 Gaughran, Theresa.....Buttons
- 29 Gehret, Mrs. Sophie....Display of Corsets, Corset Strings, Steels, etc
- 31 Giant Powder Co.....Display of Giant Powder
- 19 Glynn, E. O.....Wooden Chain
- 44 Goddard, E. A.....Specimens of Card Writing
- 2 Goss & Dow.....General Display of Steam Pumps
- 37 Gott, A. O.....24-hour Clocks and Watches
- 13-18 Graff, A. S....Display of Diamond Coal Oil Burners, Lamps and Fix-  
tures, Koch's Patent Coal Oil Stove.
- 47 Graham, J.....Apples
- 17 Granolithic Paving Co.....Display of Granolithic Stone
- 40 Grave, Mrs. Albert.....Crochet Bed-room Set
- 31 Greer, W. M.....General Display of Perfumery
- 1-2-4 Gregory, H. P. & Co...Automatic Cut-off Engine in motion, 15-Horse  
Power Gas Engine, 2-Horse Power Gas  
Engine, 4-Horse Power Gas Pumping  
Engine, Pacific Band-saw in operation,  
Duplex Steam Pump, etc.
- 8-22 Gross, H. H. & Co.....Display of Burr Folding Bed and Harden  
Hand Grenade.
- 47 Grossman, Mrs. Geo.....Apples
- 34 Gundlach, J. & Co.....Display of Cal. Wines and Brandies
- 19 Gump, S. & G.....Display of Gilt Pedestals, Tables, Picture Frames  
and Mirror Frames, general display of Wooden  
Mantels, Mirrors, Bric-a-Brac, Furniture, En-  
gravings, Pictures, Water Colors, etc.

## H

- 33 Haas, Geo.....Display of Bon-Bons, Glazed Fruit, French and Home-  
made Confectionery, etc.
- 8 Hackley, S. R.....Hose Coupling
- 10 Hagerty, T. F.....Button-hole Machines
- 21 Hager, Lewis N.....Imported Carriage Jack
- 15 Hall Safe and Lock Co.....General Display of Safes, Locks, etc.
- 31 Halpruner, Dr. W. S.....Display of Dr. Halpruner's Patent Corn  
Salve and Liniment.

## ALPHABETICAL LIST OF EXHIBITORS.

33

**CLASS.**

- | CLASS.       |   |
|--------------|---|
| 12           | Hammond, H. W.....Samples of Steel  |
| 44           | Hampshire, W. M.....Hand Engraving in India Ink   |
| 8            | Hansen, O.....Fire Escape   |
| 13           | Harvey, C. D. Hot-water Heating Apparatus and Steam Radiators, etc.   |
| 21           | Harris, Capt. Benj. E.....Combination Village Cart  |
| 47           | Harvey, J. S.....Display of Citrus Fruit  |
| 34           | Haraszthy, Arpad & Co.....General Display of Eclipse Champagne,<br>California Wines and Brandies.   |
| 31-32        | Hardison & Stuart.....Lubricants, Petroleum, crude and refined, and<br>Mineral Oils.  |
| 32           | Harkins, Thomas.....Samples of Redwood  |
| 1            | Haslehurst, Wm. W.....Horizontal Link-motion Steam Engine   |
| 19-32        | Hatch, Thomas.....Display of Pacific Coast and Island Woods   |
| 1-5-11-21-38 | Hawley Bros. Hardware Co....Plows, Mowers, Reaper, Howe<br>Scales, Steam Engines, Cultivators, Corn-shellers, Seed<br>Drill, Tree Digger, Lawn<br>Mowers, Cider Presses, Farm<br>Wagon, Coffee Mill, Windmill,<br>Side-hill Plows, Knapp Side-<br>hill Plows. |
| 38           | Hawley, D. N. & C. A.....Howe Scales  |
| 31           | Hawver, Wm.....Natural Mineral Water (Water of Life)  |
| 40           | Heffernan, Miss Katie.....Log Cabin Quilt   |
| 40           | Henn, Mrs. Pauline E.....Chenille, Kensington and Arrasene Embroidery, etc.   |
| 22           | Heywood, Bros. & Co.....Display of Rattan Furniture, etc.   |
| 10           | Hicks, J. L.....Display of Sewing Machines "New York."  |
| 32           | Hildreth, Thomas.....Display of Gold Specimens  |
| 5            | Hinsberg, C.....One Cyclostyle (for duplicating manuscripts)  |
| 40           | Hitz, Mrs. J.....Display of Shells and Curios   |
| 47           | Hobart, J.....Display of Dried Fruit  |
| 31           | Hooper, T. P.....Display of Tolena Springs Mineral Water  |
| 31           | Hopper, Harrison & Co...Display of Lubricating Oils, Paraffine Wax,<br>Lubricating Greases and Compounds.   |
| 40           | Horstmann, Miss Emilie.....Lace Spread  |
| 10           | Howdon, R. J.....Eclipse Sewing Machine   |
| 19           | Howe, J. W. E. ....Painted Table-tops, Imitation of Inlaid Wood and<br>Marble.  |
| 26           | Hoyt, J. B.....Full-bred Shropshire Wool and Crosses with Spanish<br>Merino.  |
| 31           | Heuter Bros.....Display of Varnishes and Gums   |
| 40           | Hughes, Miss Nellie.....Calico Patch Quilt  |
| 21           | Hunter, G. W.....Patent Hitch Catch   |
| 40           | Huntington, M. E.....Pillow Sham  |

## CLASS.

- 13 Hunter & Shackleford.....Draught Regulator for Grate  
 7 Hydraulic Clothes Washer Manuf'g Co....Display of Dannemeyer's  
     Patent Hydraulic Clothes  
     Washers.

## I

- 22 Indianapolis Furniture Co.....General Display of Furniture  
 21 Ingersoll, Geo. S.....Display of Danford Patent Metal Felloe Wheels  
 42 Irelan, Mrs. Wm.....Pottery, Lustre, China and Kensington Painting  
 47 Isham & Co.....Dried Fruit

## J

- 11 Jackson, Byron.....Feeder for Threshing Machine  
 6 James, David B.....Single Track Mining Car, Rock Breaker and  
     Quartz Crusher.  
 18 Jantzen, Fred.....Display of Chicago Electric Lamps  
 4 Jenkins, James T.....Jenkins Lightning Wedge Cutter  
 24 Jones, Fred. S.....Seymour's Improved Cake Mixing Machine  
 40 Jones, Mrs. C. L.....Crazy Quilt  
 11 Judson M'fg. Co.....Steam Harvester and Thresher combined, Victor  
     Mower, Field Harrow, Orchard Harrow,  
     Cultivator.

## K

- 25 Keister, L. A.....Patent Side Saddles and Saddles  
 29 Kelly Bros.....Corsets  
 21 Kerr, David....2 or 4-Horse Truck, 4-Spring Wagons, Cal. made Axle  
 17 Kesseler, J. & F.....Onyx Mantel, Pedestals and Onyx Specimens  
 7-37-24 Keystone Wringer Co.....Display of Clothes-wringers, Washers,  
     Carpet Sweepers and Clocks.  
 44 Keser, Alfred S.....Collection of Fancy Programmes  
 21 Killey, R. F.....Road Wagon (R. F. Killey's patent)  
 21 Kimball, S. P.....Puzzuolanna Cement  
 40 King, Miss M.....Display of Wax Roses  
 1 King, C. A.....Upright Engine  
 1 Kittredge, A. G.....Display of Ornamental Iron-work  
 20 Kohler & Chase....Band Instruments, Musical Boxes, Banjos, Pianos,  
     Drum-heads, Organs and Musical Merchandise  
 29 Krembs, August.....Fancy Goods in Plush and Leather  
 5 Krogh, F. W. & Co.....Eagle and Eureka Windmills (Cal. make)  
 11-15 Kryger, H. H....Livingston Roller Mills, Scourer, Husk-catcher, Iron  
     Conveyors, Milwaukee Middling-Stone, Elevator  
     Cups, Hoyt's Belting, etc.  
 28 Kruger, J. H.....Display of Canes, etc.

**L****CLASS.**

- 11 Lacey, J. B.....Sulky Harrows  
 9 Laird, John.....Model of Ironclad Man-of-War  
 33 Laird, F. J. & Co.....Display of Cheese  
 31 Lake, Henry.....Shoe Blacking, California make  
 18 Landgrane, F. O.....Double Hammer Gongs (for street cars)  
 33 Lantheaume, J.....Display of Waffles  
 21 Larkin, W. & Co...General Display of Carriages, including Carriages,  
     Square-front Coupelet, Round-front Coupelet,  
     Unfin. Coupelet, Extension-top Rockaway, Top  
     Buggy, Canopy-top Phaeton, Open Rockaways,  
     Canopy-top Rockaway, Open Buggies.  
 7 Last, J. L. A.....The Missouri Steam Washer  
 11 Leach & Hunt.....Honey Extractor  
 39 Leek, Dr. G. W.....Display of Dental Work  
 29 Levinson, J.....Patent Embroidery Frame  
 14 Liddle & Kaeding...Assortment of Firearms, Fishing Tackle, Sporting  
     Goods, etc.  
 26 Liebes, H. & Co....Display of Furs and Fur Goods, Carriage Robes,  
     Samples of Furs Cleaned and Colored, Goat  
     and Sheepskin Mats.  
 28 Litchfield, J. M. & Co.....Military and Naval Goods, Society Goods,  
     Regalias, etc.  
 22 Lock Spring Mattress Co.....Display of Lock Spring Mattresses  
 5 Loftus, Frank.....Safety Guard for Cable Cars  
 13 Long, Mrs. S. B.....Improved Gas Stove with Plain Top and Lid  
 41-42 Lorenzo, Egidio.....Porcelain and Water Color Painting  
 29 Loudon, W. M. ....Studabecker's Tailors' Squares and Hall's Patent  
     Adjustable Dress Forms.  
 47 Luders, M.....Wheat and Barley

**M**

- 6 Macay, Juan F. N.....Rotary Decanting Filter and Appliances  
 21 Maier, Thos.....Baker Wagon  
 1 Mailer, John.....Steam Boiler, Furnace Equipment and Model of  
     Self-feeding Boiler.  
 19 Mallon, John.....General display of Ornamental Glass-work, includ-  
     ing Ornamental Cut Glass, Art Stained Glass,  
     Ornamental Embossed Glass, Ornamental  
     Bent Glass, etc.  
 39 Marshall, Dr. B.....Operating Lounge  
 40 Marwedel, Miss E.....Kindergarten Work by the Pupils of the Model  
     Kindergarten.  
 22 Marwedel, E. H.....Brass Bedsteads, Curtain Poles, etc  
 1-3 Marwedel, C. F....Machinists' and Moulders' Tools, Prentiss' Vises,  
     etc., Vertical Steam Engine.

## CLASS.

- 34 Mathews, J.....Display of Sherry Wine  
 39 Matthews, H. A.....Display of Audiphones  
 2 McCarthy, C. P.....Water Wheels  
 40 McCarthy, Mrs. M. J.....Vase of Wax Flowers  
 21 McCue, M. J....Display of Carriages, including Hacks, Coupes, Top-Buggy, Open Buggy, Platform Spring Wagon, Open Rockaway, Business Buggy, Carriage-Wheels.  
 40 McDonald, Miss Elliott.....Specimen of Needle-work  
 47 McDonald, Elliott.....Display of Assorted Jellies  
 42 McElroy, A.....Painted Platter and Plates  
 47 McLaughlin, S. A.....Fresh Fruit  
 39 McLean, Prof. A. A.....IXL Elastic Trusses  
 25 McNulty, P. F.....Hand-made Boots and Shoes  
 42 Meighan, Mrs. A.....Mantel Lambrequin and Painted Screen  
 11 Merrill, A. P.....Fruit Evaporator  
 7 Melvin, E. W.....New Becker Washing Machine, Clothes-wringer, Empire Folding Washtub Bench, Empire-Folding Clothes-dryer.  
 36 Merriam, Jas. C.....Maps, Atlases and Charts  
 13-31 Moise, L. H.....Home and Factory Fruit Canner, Matchless Metal Polish.  
 47 Moise, Mrs. L. H.....Display of Home-made Preserved Fruits and Jams in Glass.  
 40 de Moldrup, Miss A.....Lace Collar  
 40 de Moldrup, Lulu.....Sofa Pillow (Kensington Work)  
 40 Moran, Mrs. Kittie.....Crazy Quilt and Crochet Work  
 20 Morrell, Charles.....Banjos, Cal. make  
 47 Morse, M. E.....Wheat and Barley  
 32 Morton, Thomas.....General Display of Coal  
 30 Murray, Mrs. C .....General Display of Latakia Cigars and Turkish Tobacco.  
 24 Murphy, J. C.....Patent Parlor Swing and Trapeze (combined)  
 13-18-24 Myers, J. F. & Co....The Adams and Westlake Oil, Gas and Vapor Stove, The Daisy Fruit Canner, The Ansonia Electric Lamp, The Daisy Oil Stove (California make), Hanging Lamps and Chandeliers.

## N

- 35 National Brewing Co.....Lager Beer  
 1 Neal, Geo. F. & Co.....Smoke-preventing and Fuel-saving Furnace  
 44 Newsom, S. & J. C.....Display of Architectural Designs  
 42 Newman, Mrs. Henry.....Painting on Glass

## CLASS.

- 40-42 Newman & Levison....General Display of Chenille, Arrasene, Ribbonsene, Filloselle and Kensington Embroidery, Plush Work, Lustra Painting, Ladies' and Gents' Silk and Woolen Underwear, Theatrical Hosiery, etc.  
 40 Nolan, May L.....Crochet Quilt  
 6 Norris, H.....Hitchcock & Hershey Dry Placer Gold Concentrator

## O

- 42 Ochs, Amelia .....Plush Painted Dress and Lambrequin  
 18 Ohnimus, J.....Ornamental Glass Sign  
 1 Ohmen, Wm.....Horizontal and Upright Steam Engines, 15-horse power Automatic Cut-off Steam Engine.  
 26 O'Neill, Bros. & Co.....Straw Paper  
 42 Orvis, Mrs. F. H....Velvet, Kensington and Lustra Painting, Painting on China.  
 22 Osborn, R. F. & Co.....Brass Curtain Poles, etc.  
 5-21 Osborn & Alexander...Bicycles, Tricycle, Bicycle extras, Roller Skates  
 44 Owen, Albert.....Mechanical Drawing

## P

- 38 Pacific Coast Electric Construction Co.....Dynamo-Electric Machine and Lights.  
 27 Pacific Cleaning and Dyeing Works....Display of Cleaned and Dyed Goods, etc.  
 39-31 Pacific Electric Co.....Duplex Galvanic Belts, Pacific Electric Pad Truss, Holbrook's Electric Catarrh and Asthma Remedy.  
 38 Pacific Electric Motor Co.....Electric Motors and Appliances  
 31 Pacific Graphite Manufacturing Co.....Axe Grease and Stove Polish  
 31 Pacific Perfumery and Manufacturing Co....Golden Spray Cologne, Parisian Bloom and Magic Salt.  
 Pacific Rolling Mills.....Steamboat and Railroad Forgings, Steel Castings, Heavy Forgings, etc.  
 22 Pacific Spring and Mattress Co..Display of Improved Crandall Spring Beds, Sofa Beds, Bed Lounges, Parlor Sets, Turkish Chairs, Spring and Hair Mattresses, Pillows, Bolsters, Iron Bedsteads, Wire Mattresses, Mattress Springs, etc.  
 34 Palmer, H. & Co.....Native California Wines  
 5 Palmer & Rey.....Treadle Press and Type Casting Machine, Proof Press, Cone Pulleys, Coupling, Steam Engine and Boiler, Peerless Press, Printers' Materials.

## CLASS.

- 31 Paraffine Paint Co....P. and B. Paint, Waterproof Roofing, Paraffine Co. Cloth Compound, Leather Compound and Paper Sheathing.
- 40 Park, Mrs. E. S.....Silk Quilt  
1 Parke & Lacy.....Westinghouse Automatic Cut-off Engine
- 40 Parker, Mrs. M. H. ....Portrait of Lincoln (in Tapestry)
- 42 Parrish, Miss Hattie....Painted Platter, Plaque, Plates, Cup and Saucer and Vase.
- 40 Parsons, Mrs. S. H.....Silk Plush Quilt  
5 Parson, W. D.....Windmills
- 12 Payne Bros.....Bolts, Nuts, Washers, Lag Screws, etc.
- 40 Peake, Chas. & Co. ...Rugs, Rug Machines and Sander's Embroidery Frame.
- 22 Peck, C. M.....Pillow Sham Holders  
19 Peulecka, H.....Cabinet of California Redwood
- 40 Perrault, Mrs.....Patchwork Quilt
- 31 Perry, S. A. & Co.....Display of Gold Paint and Ink  
1 Petrie, Jas. R.....Smith's Hydraulic Speed Indicator
- 11-33 Pettijohn, W. A...Rolls and Crushers, and Display of Breakfast Gem  
9 Peters, C. T.....Miniature Ships  
5 Petaluma Foundry and Machine Works.....Model of Wine and Cider Press.
- 13 Phillips, M. E.....Vapor Stoves with Water-back Attachment (Cur-tis & Condy Patent).
- 40 Phoites, Martha.....Embroidered Table Cover  
47 Pindar, George E.....Display of Oranges
- 27 Pioneer Woolen Mills...Display of Knit Goods, All Wool Cassimeres, Blankets, Flannels, etc., Home Manufacture.
- 28 Poheim, Joe.....Gents' Custom-made Clothing and Cloths
- 25-30-31-32-47-34 Pomona Grange, Sonoma Co..Display of Farm Products, Including Hops, Dried and Preserved Fruits, Wines, Nuts, Brandies, Cordials, Tobacco, Cork Oak, Leather, Vinegar Woods, Petrified Woods, Charcoal, Cinnabar Tan-bark, Grape Cuttings, Fruit, Nuts, Cereals, etc.
- 47 Pryal, A. D.....Display of Fruit  
47 Purrington, Mrs. F....Display of California Raisins and Dried Fruit

## Q

- 30 Quigley & Son.....Tobacco and Cigarettes

## R

- 47 Railsback, C.....Cluster of Mammoth Pears  
47 Railsback, Geo.....Peaches

## CLASS.

- 9 Rainey, Neal.....Model of Full-rigged Ship  
 17 Reiter, Mrs. Amelia.....Display of Blown Glass  
 34-35 Renz, J.....Display of Dr. Renz's Herb Bitters, Renz's  
     Blackberry Brandy and Rye and Rock  
 13 Richardson, W. H.....Smoke-consuming Stove  
 47 Righter, Johnson.....Barley  
 38 Roach, John.....Display of Transits, Levels, Solar Compass, Com-  
     passes, Drawing Instruments, Aneroid and Mer-  
     curial Barometers, Thermometers, Telescopes,  
     Field Glasses, Steel Tapes, Chains, Gauges,  
     Spirit Bubbles, Odometers, Rules, Sun Dial and  
     Plummet Lamp.  
 44 Roberts, John.....Mechanical Drawing  
 47 Robinson, Richard.....Dried Fruits  
 40 Roebuck, Mrs. Eliza O.....Silk Quilt  
 31 Robison, Madame.....Manicure and Toilet Articles  
 31 Robinson, C. L.....King of Ague  
 21 Rochen & Davison.....Display of Carriage Materials, etc.  
 31 Rosadine Company, The.....Rosadine Hair Dressing  
 40 Rountree, N. W.....Kensington Quilt

## S

- 43 Sala, G. F.....Marble Bust (Victor Emanuel)  
 3-12 Sanders, H.....Display of Augers and Bits for Well Boring, Coup-  
     lings, Iron Axle, etc.  
 19 Sanborn, Vail & Co.....Display of Mirrors, Water Colors, Statuary,  
     Mirror Frames, Mantels and Art Work  
 37 San Francisco Plating Works.....Nickel-plated Goods, Silver-plated  
     Ware, Silver - plated Mining  
     Plate for Amalgamating.  
 1-2-3 San Francisco Tool Co.....Display of Iron-working Tools, including  
     Lathe, Drill Presses, Shaper, Lathe  
     Head, High Speed Engines, Pumps,  
     Water Gates, Hydraulic Jack, Hangers,  
     Pedestal Box, Foot and Check Valves,  
     Water Primers, Cast Elbows, Shafting  
     Couplings, etc.  
 44 Schild, Geo. F.....Amplifier and Drawings, Map and Patent Attach-  
     ment, Mechanical Drawings, etc.  
 19 Schiller, C. F.....Fresco and Stucco Work  
 1-8-25 Schenck, W. T. Y.....Cotton and Linen Fire and Garden Hose,  
     Flax Packing, Enamel Gauge Glasses,  
     Fire Hose Reel.  
 17-8 Scholl, M.....Patent Ornamental Crown Chimney Caps, Fire Escape

## CLASS.

- 35 Scholfield, A. S.....Eastern Root Beer  
 14 Schneider & Arey.....High Explosive Whale Lance  
 31-32 Scott, D. C.....Lubricants, Petroleum crude and refined, and  
     Mineral Oils.  
 28 Scott, H. W. & Co.....Scarf Shields  
 29 Sexton, Mrs. Joseph.....Palm Work  
 21 Shaw, W. E.....Road and Village Carts, Road and Business Buggies  
 46 Shepherd, Mrs. W. E.....Flower Seeds  
 37 Shepman, W. E.....Gold and Silver Plated Ware  
 20 Sherman, Clay & Co.....Display of Musical Instruments and  
     Merchandise.  
 47 Sherwood, Robert.....Fresh Fruit  
 47 Shively, Wm.....Display of Fruit  
 38 Sietz, A. & Co.....Display of Surveying and Nautical Instruments  
 1 Slocomb, H. & Co.....Improved Dibble Lubricator  
 40 Smith, Miss J. Addison.....Display of Arrasene Embroidery and  
     Raised Work.  
 32 Smith, W. M.....Sample of Salt from State of Nevada  
 31 Smith, Dr. Barlow J.....Caloric Vital Oil  
 29 Snow, J. F.....Crape Refinished  
 28 Sonderup, Wm.....Skin Clothing  
 31-34-35 Souther, Jos. N. & Co.....Dr. Abernethy's Green Ginger Brandy,  
     Bennet's Celebrated Stomach Bit-  
     ters, Essences, Flavoring Extracts,  
     Cordials, etc.  
 44 Southern, T. R.....Display of Penmanship  
 46 Spaulding, Mrs. R. J.....Specimen of Horticultural Work (in frame)  
 27-31 Spaulding, J. & Co .....Display of Carpet Beating and Renovating  
     Compound, Renovated Rugs, etc.  
 32-47 Spencer, Frank.....Burbank Seedling Potato, Specimen of Mountain  
     Mahogany.  
 33 Sperry & Co.....Display of Flour (Pat. Roller Process)  
 40 Spilling, Wm.....Work Basket and Stand, made of Rope  
 33 Sresovich, L. G. & Co.....Display of Dried Cocoanut  
 31 Standard Soap Co.....General Display of Assorted Staple and Toilet  
     Soaps, Display of Perfumery and Toilet  
     Articles.  
 19 Steen, E. T.....Window Seats  
 40 Stettin, Mrs. H.....Chenille and Linen Embroidery  
 29 Stewart, Mrs. K. M.....Millinery  
 6-11 Stiles, W. C.....Grain and Quartz Mill  
 40 Stone, Mrs. Chas.....Embroidered Plaque, Fan, and Stand draping  
     Oriental work.  
 Stolberg, Peter.....One Large Drum Head  
 20 Stroh, Geo.....Banjos

## CLASS.

- 21 Studebaker Bros.' Manufacturing Co.....General display of Carriages, Wagons and Buggies.  
 22 Studley, G. B. & Co.....Fibre Chair Seating  
 17 Sutton, Chas.....Artificial Stone  
 47 Surdam, R. G.....Display of Canned and Preserved Fruits, Dried Fruits, etc.

## T

- 19 Tietze, Gustave.....Carved Wood Picture Frame  
 1-2-3-4-5-12-25 Tatum & Bowen.....Davey Safety Engine, Printing Press, Bit Grinder, Buffalo Blower, 60-inch Saw and Frame, Cross-cut Saws, Counter Shaft and Pulleys, 2 rolls Leather Belting, Saw Swedge.  
 2 13 Tay, Geo. H. & Co.....Display of Stoves (California manufacture), Backus Water Motor.  
 26 Taylor, S. P. & Co.....Display of Printing and Wrapping Paper, Paper Bags, Manila, Book Paper, etc.  
 6 Taylor, Henry R.....Taylor's Patent Fine Rock Crusher  
 38 Taylor, John & Co.....Assayers' Materials, Cut Glass, etc.  
 38 Tennent, Thomas....Sextant, with Pat. Artificial Horizon Attachment  
 47 Thomas, J. H.....Display of Fruit, etc.  
 27 Thomas, F.....Display of Cleaning and Dyeing Work  
 18 Thompson, Geo. C.....Soda Water Apparatus, etc. (California make)  
 2 Thomson & Evans.....Steam Pumps, Duplex Steam Pump, Steam Pump with Boiler, Double Acting Deep Well Steam Pump.  
 40 Thompson, Miss Katie.....Lace Bed-Room Set  
 8-18 Titus, J. T.....Imp. Hose Coupling (Titus Patent), Pat. Sewer Trap  
 5 Tompkin, A. R.....Fumigating Device for Fruit Trees, Vines, etc., also for Killing Animals, etc.  
 29 Tregellas, Mrs. S.....Display of Dressmaking  
 14 Truworthy, Mrs. F. M.....Stencils  
 26 Tubbs & Co.....General Display of Cordage  
 39 Tucker, D. H.....Display of Magnetic Shields  
 1 Tucker, J. E .....Sight Feed Cylinder Lubricator

## U

- 47 University of California.....Display of Fresh Fruit, from Standard Orchard.

## V

## CLASS.

- Ventura County.....Display of Farm Products, including Wheat, Barley, Corn, Fruit, Citrus Fruits, Dried, Canned and Preserved Fruits, Nuts, and Fruits Preserved in Glass, Jellies, California Honey, Vegetables, etc.  
 40-41 Ventura County.....Pictures, Tapestry, etc.  
 40 Volquards, Mrs. Minna.....Crochet Quilt

## W

- 11 Wagner, Jos. & Co..Four-roll Roller Mill for Grain, Capstan, Portable Barley Crusher, Iron Frame Portable Buhr Mill, Wood Frame Portable Buhr Mill, Portable French Buhr Mill Stones, assortment of Sprocket Wheels, etc.  
 40 Wagner, Fred.....Sugar Flowers  
 40 Waiss, Miss Sophie.....Hand Crochet Quilt  
 22 Wakefield Rattan Co.....Display of Rattan Furniture  
 7 Waldron, Mrs. A. D.....Wooden Washerwoman  
 26 Walker, L. & Son.....Scoured Wool and California Cotton  
 7 Warbass, E.....Patent Self-heating Flat-iron  
 19 Warren, W. H.....Display of Ornamental Embossed Glass in Variety of Colors, Gold, Silver and Looking-glasses, etc.  
 18 Weed & Kingwell.....Display of Brass Work, Plumbers' Goods, Steam Fittings, Bells, Brass, Bronze and Composition Castings, etc.  
 18 Welchman, Charles.....Maignen's Patent Water Filter, Wine Filter  
 11-31-47 Wellington, B. F.....Wellington's Improved Egg Food for Fowls, assortment of Seeds and Cog-pruners  
 19 Wescott, C. W .....Window Sash Steadier  
 12 Western Chain Works.....Display of Iron and Steel Chains, Steel Coupling Links, Shackles, Hooks, etc., Forge in Operation.  
 31 Western Perfumery Co.....Display of Perfumery, Toilet Articles, Flavoring Extracts, Celery Salt and Tasteless Castor Oil, etc.  
 17 Western Cement and Asphalt Co .....Asphaltum Cloth Roofing and Asphaltum Oil Cloth.  
 38 Weule, Louis.....Astronomical Clock  
 26 Weyand, Julius.....Full-bred Mohair from Angora Goats  
 40 Whittock, Miss Mary.....Crazy Quilt  
 31 Whitman, R.....Pillow Inhaler and Oxygen Treatment  
 47 Whitcomb, J. B.....Display of Grapes  
 47 White, T. C.....Raisins

## CLASS.

- 40 Whitney, Mrs. H. M.....Crazy Quilt and Log Cabin Quilt  
 29 Whitman, Mrs. E. J .....Combined Iron Board and Pressing Frame  
 1 Whyte & De Rome.....Sight Feed Lubricators  
 5-24 Weston, C. W....."Chief" Step-ladders and display of Patent Arch Fire Kindler.  
 5-11-31 Wickson, G. G. & Co.....De Laval Cream Separator, Boss Hay Cutters, Stoddard Barrel Churns, American Dasher Churns, Butter Workers, Double Bar Harrow, Walking Cultivator, Orchard and Vineyard Single Trees, Stock Salt Rollers, Improved Egg Food, display of Dairy Supplies, Remington Type Writer, The Stenograph (Shorthand Machine), The Stygmograph (Multiple Pen), and Pneumatic Copying Press.  
 5-13-24 Wiester & Co.....Improved California Oil Stoves, Star Roller Skates, general display of House Furnishing Goods, etc.  
 5 Wigger, Henry.....Squirrel and Gopher Exterminator  
 40 Will, Miss Mollie.....Specimen of Crochet Lace  
 16 Will & Finck.....Display of Cutlery  
 17-18 Williams, S. G. & Son.....Mantel Grates, with Patent Shaking Dump Basket, Slop Hoppers, etc.  
 40 Williams, Miss May.....Crochet Buggy Robe  
 Willis, C. J .....Pony Cart  
 5 Willis & Landgrane.....Fare Box and Change Gate  
 47 Williams, W. M.....Pears, Peaches, Grapes, Watermelons, etc.  
 40 Williams, Mrs. Julia Ann.....Worsted Quilt  
 38 Winter & Theler.....Display of Incubators, Brooders and Poultry  
 37 Wood, Geo. M.....Door Plates  
 40 Woods, Miss Dora.....Crazy Quilt  
 1-2-8-11-5 Woodin & Little.....Wind Mills, Force, Suction and Deep Well Pumps, Wine, Hand and Power Rotary Pumps, Lawn Mowers and Sprinklers, Hydraulic Rams, Cylinders, Valves, Spray Pump and Fixtures, Hose Carts, etc.  
 26 Woolsey, E. W. & Son.....Full-bred Spanish Merino Wool

## Z

- 13 Zeigler Iron Co.....Stoves and Ranges of California Manufacture  
 43 Zeglio, John J.....Display of California Onyx and Mantelpiece of Italian Marble.

# CATALOGUE

OF THE

# ART DEPARTMENT.

TITLE.	EXHIBITOR.
Mt. Diablo.....	Norton Bush
Nicaragua Lake Scene.....	Norton Bush
Pescadero Beach.....	Norton Bush
Bay of Panama.....	Norton Bush
Guayaquil River.....	Norton Bush
Suburbs of Sacramento.....	Norton Bush
Peaches.....	S. M. Brookes
Salmon.....	S. M. Brookes
Rumbo De Cordora (Mexico).....	Norton Bush
Mountain Road.....	S. M. Brookes
Fruit.....	S. M. Brookes
English Mastiff.....	S. M. Brookes
Portrait.....	Henry Alexander
Portrait.....	Henry Alexander
Portrait of a child.....	M. C. Richardson
Portrait .....	Chas. J. Carlson
Birdies.....	J. Geo. Noerr
Woods of Alameda.....	C. A. de L'Aubinière
Indian Home (Sunny Slope, San Gabriel).....	Virgil Williams
Pilot-boat No. 9.....	W. A. Coulter
Dice Players (after Murillo).....	J. Geo. Noerr
Portrait of Secretary Folger.....	E. A. Rockwell
Sheep.....	Matilda Lotz
Cliff House Beach.....	C. A. de L'Aubinière
Barnyard Scene.....	Virgil Williams
Jersey Cow .....	Matilda Lotz
Sheep.....	Matilda Lotz
English Farm Cottage.....	W. F. Herrick
Nasturtiums.....	Miss J. I. Haste
Hollyhocks.....	Alice B. Chittenden
Chrysanthemums.....	Alice B. Chittenden
Portrait.....	Miss Annie Keane

TITLE.	EXHIBITOR.
Portrait .....	Wm. Whitlock
Portrait .....	Mrs. S. A. De Lorme
Yosemite Valley.....	Thomas Hill
Roses.....	Alice B. Chittenden
Hollyhocks.....	Alice B. Chittenden
Nasturtiums.....	A. E. Rogers
View from the foothills of Napa.....	L. G. Joran
Point Bonita.....	R. D. Yelland
Gualala.....	R. D. Yelland
Portrait.....	S. W. Shaw
Portrait.....	S. W. Shaw
German Landscape.....	Miss Helen Philip
Indian Falls, ColdtSprings.....	R. D. Yelland
Cohasset Beach.....	R. D. Yelland
Castle of Wartburg (Saxony).....	H. W. Arthur Nahl
German Courier.....	H. W. Arthur Nahl
Cat and Bird.....	H. W. Arthur Nahl
Over the Garden Wall.....	H. W. Arthur Nahl
An Intruder.....	H. W. Arthur Nahl
Spanish Lady.....	H. W. Arthur Nahl
Portrait of young ladies.....	E. A. Rockwell
Lady of the 16th century.....	H. W. Arthur Nahl
Cattle Scene (The Young Holstein).....	H. W. Arthur Nahl
Flower Booth.....	Henry Roullier
Madonna (after Van Dyck).....	J. Geo. Noerr
On the Housatonic River.....	Susie F. Neil
Sketch (Missouri).....	M. Straus
Yosemite Valley.....	M. Straus
Niles Canyon.....	M. Straus
Sulphur Creek.....	M. Straus
Mt. Tamalpais.....	M. Straus
Sierra Domes.....	M. Straus
Sunset at Soquel Point.....	F. L. Heath
Bridal Veil Falls.....	F. L. Heath
On the Coast (Monterey).....	F. L. Heath
Indian Falls.....	F. L. Heath
The Luck of Roaring Camp.....	Oscar Kunath
Hollyhocks (double).....	M. E. Jones
Summer (panel).....	John A. Stanton
German Spinning Girl.....	L. Roethe
Study of Head.....	L. Roethe
Head (sketch).....	L. Roethe
Decorating the Old Shrine.....	L. Roethe
The Crater of Kilauea (Hawaiian Islands).....	Jules Tavernier
Indian Camp on Russian River.....	Carl Von Perbandt



TITLE.	EXHIBITOR.
Indian Study.....	Henry Raschen
Fisherman's Home.....	G. J. Denny
Study of Chickens.....	Mrs. Wm. Irelan
Sunset (Galveston Bay).....	G. J. Denny
Nasturtiums .....	Nellie E. Burrell
Morning Glories.....	Nellie E. Burrell
County Road near Tiburon .....	A. C. Rodriguez
Indian Study.....	Henry Raschen
Indian Study.....	Henry Raschen
Indian Study.....	Henry Raschen
An English Lake.....	J. B. Wandesforde
Major.....	J. B. Wandesforde
Fruit.....	J. B. Wandesforde
White Cactus .....	J. B. Wandesforde
Snipe.....	J. B. Wandesforde
Herring.....	J. B. Wandesforde
Port d'Arona.....	J. B. Wandesforde
In Venice.....	J. B. Wandesforde
Rock Cod.....	J. B. Wandesforde
Quail.....	J. B. Wandesforde
Cactus.....	J. B. Wandesforde
Strawberries.....	J. B. Wandesforde
Peaches .....	J. B. Wandesforde
Cherries.....	J. B. Wandesforde
Raspberries.....	J. B. Wandesforde
Plums and Apricots.....	J. B. Wandesforde
Pond Lilies.....	J. B. Wandesforde
Basket of Roses.....	J. B. Wandesforde
Camp Scene (Alameda Canyon).....	J. B. Wandesforde
A Mountain Mill.....	J. B. Wandesforde
On the Mendocino Coast.....	J. B. Wandesforde
Flower Piece. Red, White and Blue.....	J. B. Wandesforde
On San Leandro Creek.....	J. B. Wandesforde
The Wreck.....	J. B. Wandesforde
Group of Cacti .....	J. B. Wandesforde
Winter.....	J. B. Wandesforde
Tea Roses.....	Miss S. E. Sroufe
Roses.....	Miss S. E. Sroufe
Mountains (near Tahoe).....	Miss S. E. Sroufe
Flower Piece.....	Miss S. E. Sroufe
Artichokes.....	Miss Boggs
Cherries.....	Miss Mary Baily
Apples.....	Miss Mary Baily
Flowers.....	Mrs. M. E. Fountain
Roses. ....	Mrs. M. E. Fountain

TITLE.	EXHIBITOR.
Tea Roses.....	Felicite Fortier
Spring Flowers.....	A. E. Rogers
Flowers.....	R. C. Vensano
Grapes .....	Miss E. Bartholomew
Tumbler of Roses.....	Mrs. Irelan
Lilies.....	Nellie E. Burrell
Thistles.....	Nellie E. Burrell
Garden Poppies.....	Nellie E. Burrell
Hollyhocks (Single).....	Miss E. Funcke
Flowers.....	Rosa F. Lewis
Basket of Flowers.....	Rosa F. Lewis
Grapes.....	C. D. Maxwell
Grapes.....	C. D. Maxwell
Grapes.....	C. D. Maxwell
Roses.....	Miss E. Bartholomew
Roses .....	Alice B. Chittenden
Pond Lillies.....	Miss E. Bartholomew
Grapes .....	M. Straus
Hollyhocks.....	Mrs. F. A. Fish
Hollyhocks.....	Nellie E. Burrell
Oranges.....	M. B. Higgins
Roses.....	Miss Mary Baily
Carnelian Bay (Tahoe).....	Miss S. E. Sroufe
Winter.....	Miss S. E. Sroufe
Portrait of Young Lady.....	Lewis G. Joran
Santa Cruz Mountains (Glenwood Springs).....	Miss Helen Philip
Marine Sketches.....	H. R. Hopps
Marine Sketch.....	H. R. Hopps
Cattle.....	J. R. Lafontaine
Sheep .....	J. R. Lafontaine
Deer.....	J. R. Lafontaine
Screen (Evening).....	John A. Stanton
Yellow Roses.....	Mrs. E. W. Dow
Trout Stream.....	Mrs. E. W. Dow
Cliff House and Seal Rocks.....	Miss E. A. Penniman
Portrait.....	Andrew P. Hill
California in 1849.....	James Walker
Russian River.....	L. P. Latimer
A Mountain Brook.....	L. P. Latimer
Sketch of the Upper Yosemite.....	F. L. Heath
A Mountain Brook.....	Carl Dahlgren
Yachts "Lurline" and "Nellie".....	C. R. Peters
Normandy Peasant.....	Henri Roullier
Mendocino Coast.....	R. D. Yelland
Indian Encampment.....	J. R. Dickinson

TITLE.	EXHIBITOR.
The Amateur.....	J. R. Dickinson
Silver Brook of Devonshire.....	Mrs. L. A. De Lorme
Portrait of Langtry.....	Lewis G. Joran
Study.....	Nellie Hopps
Tahoe (from Squaw Lake) .....	Nellie Hopps
San Rafael.....	A. C. Rodriguez
From the Frying-pan into the Fire.....	Toby E. Rosenthal
Capri.....	Virgil Williams
Chinese Head.....	M. E. Jones
Portrait of Louis von Bethoven.....	Lewis G. Joran
Innocence.....	E. Narjot
Waiting .....	E. Narjot
On the Terrace.....	E. Narjot
Sunday on the Ranch .....	E. Narjot
Mexican Kitchen.....	E. Narjot
Sympathy .....	E. Narjot
Portrait.....	E. Narjot
Mock Trial of Paris.....	E. Narjot
Aztec Girl.. .	E. Narjot
The Country Oracle.....	E. Narjot
A Dangerous Passage.....	E. Narjot
Japanese Garden.....	C. V. Cappelletti
Near Piedmont.....	J. R. Dickinson
Near Tiburon.....	J. R. Dickinson
Portrait.....	C. E. Danielwitz
February Flowers.....	Mrs. N. E. Boyd
Portrait.....	M. H. Morse
Portrait.....	Miss M. Oviatt
Roses.....	K. Chandler Thompson
Alameda Creek.....	Chris. Jorgensen
An Arabian Post-boy....	W. Harring
Tomb of the Shogun.....	C. V. Cappelletti
Entrance of Temple .....	C. V. Cappelletti
Sketch.....	Chris. Jorgensen
San Francisco Docks.....	Chris. Jorgensen
Sketch from Nature.....	Mrs. Virgil Williams
Roses.....	Miss Pauline Grandjean
Study from Nature (Poppies) .....	M. C. Richardson
Doolan Canyon.....	J. R. Dickinson
Portrait .....	Jos. H. Hecht
Portrait .....	Jos. H. Hecht
Study.....	Jos. H. Hecht
Rustic Scene.....	J. B. Wandesforde
Study.....	Clara J. McChesney
Sweet Peas.....	Clara J. McChesney

TITLE.	EXHIBITOR.
Alameda Marshes.....	Chris. Jorgensen
Stone Quarry (Oakland).....	Chris. Jorgensen
City Front.....	Chris. Jorgensen
Boat House.....	Chris. Jorgensen
Study from Nature.....	M. C. Richardson
Geraniums.....	Mrs. Virgil Williams
Sketch from Nature.....	Mrs. Virgil Williams
Single Dahlias.....	Mrs. Virgil Williams
Carnation Pinks.....	Mrs. Virgil Williams
The Brook.....	Clara J. McChesney
Sand Dunes.....	Clara J. McChesney
Theatre Bills in Chinatown.....	Clara J. McChesney
Gone to Seed (Dump Cart).....	Clara J. McChesney
Mt. Shasta.....	J. B. Wandesforde
Across the Bay from Saucelito.....	J. R. Dickinson
Duck Shooting.....	J. R. Dickinson
Portrait of Children.....	J. B. Wandesforde
Look at my Skirt.....	L. Roethe
San Francisco Docks.....	Chris. Jorgenson
Parthenia.....	Madame de L'Aubinière
Laid Up for Repairs (Boat).....	Clara J. McChesney
Alameda Marshes.....	Clara J. McChesney
Pansies.....	Clara J. McChesney
Webster's Mill (Alameda).....	Annie Blakeslee
Carmel Mission.....	J. B. Wandesforde
Egyptian Praying before Entering the Desert.....	W. Herring
Entrance of a Temple at Shiba.....	C. V. Cappelletti
Portrait.....	M. H. Moore
Study from Nature (Golden Rod and Salvia).....	M. C. Richardson
Roses.....	Miss Belle Morrison
Dandelions.....	Clara J. McChesney
Roses.....	Mrs. Irelan
Street Scene in Chinatown.....	Clara J. McChesney
Creek at Santa Rosa.....	Annie Blakeslee
Near High Street (Alameda).....	Annie Blakeslee
Roses on a Wheelbarrow.....	Miss Pauline Grandjean
Portrait.....	Oscar Kunath
An Ideal Head.....	M. H. Moore
Portrait.....	M. H. Moore
Portrait.....	Oscar Kunath
A Lady of 1720.....	Oscar Kunath
Portrait.....	Oscar Kunath
Old Bridge (Oakland Quarry).....	Annie Blakeslee
A Balcony in Chinatown.....	Annie Blakeslee
A Spanish Lady.....	Oscar Kunath

TITLE.	EXHIBITOR.
Portrait of H. Bascom, D. D., LL. D.....	H. Bornemann
Chinese Musician.....	C. Wilson
Portrait.....	C. E. Danielwitz
Portrait.....	Geo. H. Burgess
Portrait.....	Geo. H. Burgess
Near High Street (Alameda).....	Annie Blakeslee
A Corner in Chinatown.....	Annie Blakeslee
A Brahmin.....	Clara J. McChesney
Japanese Temple.....	C. V. Cappelletti
Garden of Japanese Prince .....	C. V. Cappelletti
Japanese Garden in Temple.....	C. V. Cappelletti
Old Bridge.....	C. V. Cappelletti
Wild Cat Creek (near Berkeley).....	Wm. Sutherland
Fruit Piece.....	Mrs. J. H. Pendergast
Hop Picking .....	J. R. Dickinson
Fort Winfield Scott, S. F.....	Mrs. N. E. Boyd
Portrait.....	Mrs. W. J. McDougall
Foothills near Berkeley.....	Wm. Sutherland
Fleur de Lis.....	Miss E. Stallman
Great Expectations.....	Kate M. Bessinger
Geranium .....	Miss E. Stallman
At an English Fishing Village.....	J. R. Dickinson
Sutton Lake, N. H.....	Mrs. M. H. Payne
Portrait.....	Ida D. White
Flower Piece.....	Mrs. L. C. Kelly
Flower Piece...	Mrs. L. C. Kelly
Roses .....	Susie F. Neil
Nasturtiums.....	Susie F. Neil
Apples.....	Susie F. Neil
Grapes.....	Susie F. Neil
Fruit.....	Miss S. E. Sroufe
Peonies .....	Mrs. J. E. Brown
Cliff House.....	M. Tape
Whisperings of Spring.....	Susie F. Neil
A Glimpse of the Sea....	C. A. Rogers
Street in Tivoli, Italy.....	C. A. Rogers
In Memoriam.....	C. A. Rogers
Limb of Oranges.....	Mrs. J. E. Brown
Basket of Peaches.....	Mrs. J. E. Brown
Portraits.....	Wm. Whitlock
A Feather in Her Cap.....	A. E. Wilson
An Idyl of the Mediterranean.....	Miss Ella A. Penniman
Horse Fair (after Rosa Bonheur).....	W. F. Herrick
Chrysanthemums.....	Miss S. E. Bender
Hollyhocks.....	Susie F. Neil

TITLE.	EXHIBITOR.
Portrait.....	Nellie A. Reynolds
What is Home without a Mother.....	Nellie A. Reynolds
Blossoms.....	Alice Bartlett (Ventura Co.)
Pepper Tree Branch.....	Mrs. S. Atherton (Ventura Co.)
Old Ruin (copy).....	Mrs. M. Wason (Ventura Co.)
Mexican Poppies.....	Alice Bartlett (Ventura Co.)
Poinsetta.....	Mrs. S. Atherton (Ventura Co.)
Haunted House.....	Alice Bartlett (Ventura Co.)
California Roses.....	Mrs. W. R. Gallagher
Hollyhocks.....	M. H. Moore
Steamer "Santa Clara".....	Wm. F. Armstrong
Sentinel Rock (Yosemite).....	M. Tape
Windsor Castle.....	H. G. Peelor
Sketches.....	Miss E. A. Penniman
Nasturtiums .....	Miss S. E. Sroufe
Morning Glories.....	M. H. Moore
Vase of Flowers.....	Mrs. Brackett ( <i>nee</i> Miss Funcke)
Roses.....	A. E. Wilson
Fuchsias.....	Mr. Henry Newman
Morning Glories.....	Mrs. Henry Newman
Portrait.....	Lewis G. Joran
Dog's Head .....	Emma Dayton
Nasturtiums.....	Chr. Wismer
Unripe Lemon.....	Chr. Wismer
Thistles.....	Chr. Wismer
Portrait.....	S. M. Shea
Scene on Ohio.....	Nettie Reynolds
The Poisoned Bouquet.....	Mrs. S. A. De Lorme
Ducks.....	Miss E. Stallman
Fruit.....	C. D. Maxwell
Fruit.....	Miss E. Stallman
Portrait .....	Louis G. Joran
Fruit.....	Louis G. Joran
Portrait .....	Louis G. Joran
Roses .....	Mrs. J. E. Brown
Flowers.....	Mrs. J. E. Brown
Flowers.....	Margaret Dent
Calla Lilies .....	Susie F. Neil
Christ's head.....	J. R. Lafontaine
Hunting. ....	M. Tape
Grandpa's a Soldier.....	A. E. Wilson
Swing by the Sea.....	S. M. Shea
Portrait of young Arab.....	Louis G. Joran
Bad News.....	Mrs. Annie Keane
Flowers.....	Margaret Dent

TITLE.	EXHIBITOR.
Chinese Vegetable Garden.....	John Murray
Chrysanthemums.....	Miss E. Stallman
Family of Friends.....	Addie Eggert
Pharaoh's Horses.....	Addie Eggert
Skye Terrier.....	Jennie A. Thomkins
Norman Stallion (Tornado).....	Jennie E. Clark
Portraits.....	S. M. Shea
Mirror.....	Mrs. Ida D. White
Tomatoes.....	K. C. Thompson
Fish.....	Mrs. L. L. Daley (Ventura Co.)
Quail.....	Mrs. L. L. Daley (Ventura Co.)
Pansies.....	Mrs. L. L. Daley (Ventura Co.)
On the Coast.....	Mrs. L. L. Daley (Ventura Co.)
Still Life.....	Miss J. I. Haste
Tropical Scene.....	Miss B. Schleicher
Horses of the Red Sea.....	Miss B. Schleicher
The Country Home.....	K. C. Thompson
Fruit Piece.....	M. Tape
Portrait.....	L. St. C. Fitzpatrick
Clematis.....	Miss E. Stallman
St. Joseph's Lily.....	M. Tape
Nasturtiums.....	Miss E. Stallman
Oranges.....	Mrs. L. L. Daley
Geraniums.....	Miss May E. Curran
California Wild Flowers.....	Miss J. I. Haste
Mirror.....	M. Tape
Old Folks at Home.....	A. E. Wilson
White Lily.....	Mrs. Bennett
Portrait.....	J. B. Ayers
Blue Mountains.....	M. Tape
Calla Lily.....	M. Tape
Magnolias.....	Mrs. J. E. Brown
Roy (from life).....	A. E. Wilson
Portrait.....	L. St. C. Fitzpatrick
Portrait.....	J. B. Ayers
Blackberries.....	M. Dent
Antique Vase of Flowers.....	Mrs. E. A. Penniman
Morning Glories.....	W. M. Hampshire
Roses.....	Miss E. Stallman
Gold Banded Lily.....	Ida D. White
Orchids .....	Mrs. F. A. Fish
Dignity and Impudence.....	Addie Eggert
Horse .....	Miss M. Crouse
Cupid.....	M. H. Moore
Church of St. Philippe de Neri.....	S. M. Shea

TITLE.	EXHIBITOR.
Portrait.....	A. E. Wilson
Dog's Head.....	Miss M. Crouse
Portrait .....	Miss M. Oviatt
Boy at the Well .....	Wm. Sutherland
Plums.....	Miss S. E. Sroufe
Rocky Point (Aughim, Siam).....	Mrs. M. H. Payne
California Poppies.....	Mrs. N. E. Boyd
Steamship "City of Tokio" (Moonlight).....	Joseph Larsen
Portrait.....	Louis G. Joran
Portrait (crayon).....	Chr. Wismer
Portrait (water-color).....	Michigan Portrait Co.
Portrait (water-color).....	Mrs. M. Payne
Dog's Head (Pen and Ink) .....	Carrie B. Taber, 12 yrs.
Portrait (crayon).....	Michigan Portrait Co.
Portrait (crayon).....	Michigan Portrait Co.
Portrait.....	J. P. Donovan
Portrait.....	Mrs. M. C. Richardson
Portrait.....	Mrs. M. H. Payne
Portrait (Archbishop Riordan) .....	Michigan Portrait Co.
Portrait (pastel).....	A. E. Wilson
Portrait (crayon).....	Mrs. J. E. Brown
Portrait (crayon).....	Mrs. J. E. Brown
Portrait (Pen and Ink).....	W. M. Hampshire
Portrait .....	Miss L. Tomlinson
Portrait.....	Mrs. C. E. Danielwitz
Portrait.....	Mrs. C. E. Danielwitz
Portrait (crayon).....	Mrs. C. E. Danielwitz
Double Star.....	J. P. Donovan
Portrait (Hon. W. E. Gladstone).....	J. P. Donovan
Portrait (crayon).....	H. W. Arthur Nahl
Portrait (crayon).....	H. W. Arthur Nahl
Portrait .....	Chr. Wismer
Portrait.....	Chr. Wismer
Mater Dolorosa.....	Arthur C. Nahl (12 yrs.)
Portrait.....	N. Michelson
Portrait.....	N. Michelson
Portrait.....	N. Michelson
Portrait .....	N. Michelson
Portrait.....	Miss L. Tomlinson
Portrait.....	O'Connell
Portrait.....	Miss Usher

TITLE.	EXHIBITOR.
Portrait (Byron).....	J. P. Donovan
Portrait (Langtry).....	J. P. Donovan
Drawing (crayon).....	Perham W. Nahl
Drawing (crayon).....	Perham W. Nahl
Portrait (crayon).....	Mrs. C. E. Danielwitz
Lady from Bucharest (Roumania).....	H. W. Arthur Nahl
Portrait.....	H. W. Arthur Nahl
Portrait (Eveleen Payne).....	J. P. Donovan
Drawing (crayon).....	Laura E. Foster
The Wounded Dragoon.....	Laura E. Foster
Her First Picture.....	May Valentine
Drawing (crayon) .....	Arthur C. Nahl (12 yrs.)
Study.....	W. C. Ellingwood
Drawings (crayon).....	Perham W. Nahl
Drawings (crayon).....	Arthur C. Nahl (12 yrs.)
Drawings (crayon).....	Perham W. Nahl
Original Drawing.....	H. G. Peelor
Visit to the Grand Parents.....	L. Malepas
Portrait.....	T. Leroy
Screen .....	Mrs. F. A. Fish
Screen .....	M. H. Moore
Screen.....	Mrs. F. A. Fish
Screen.....	Mrs. M. E. Fountain
Screen.....	Mrs. E. W. Dow
Decorated Mirror.....	Mrs. Wm. Irelan
Decorated Mirror.....	A. C. Rodriguez
Diana Hunting (after Makart).....	F. Shultz
Landscape.....	F. Shultz
Flower Piece.....	Mrs. C. W. Farnam
Gen. U. S. Grant (crayon).....	J. B. Monaco
Victor Hugo (pastel).....	J. B. Monaco
Screen.....	Miss May Garrette
Schleisham (Germany).....	Miss May Garrette
Grapes.....	Miss A. Vensano
Morning Glories.....	Miss L. C. Kelley
Morning Glories.....	Mrs. W. T. Ross
Fruit Piece.....	Mrs. W. T. Ross
Panel.....	Mrs. W. T. Ross
Grapes, etc .....	Mrs. W. T. Ross
Panel.....	Mrs. W. T. Ross
Dying Juliet.....	J. B. Monaco
Which are Feathers?.....	Mrs. W. T. Ross
A Basket of Flowers.....	Mrs. J. E. Goody
A Basket of Flowers.....	Miss Georgie Lee
Charles the Fifth "Entry" (Pen and Ink).....	Carl Eisenschimel

## TWENTIETH INDUSTRIAL EXHIBITION.

TITLE.	EXHIBITOR.
Portrait.....	J. B. Monaco
Winter (crayon).....	A. M. Lewis
Moonlight.....	P. L. Peters
Crayon.....	Cecil Corwin
Painting.....	Miss Bertha Schleicher
Cartoons (crayon).....	William Armitage
Flowers .....	Georgia Lee
Portrait.....	A. Whyttenbach
Crayon.....	Carrie B. Taber
Portrait.....	Mrs. Dr. W. F. Smith
Crayon.....	Mrs. Gutierrez
Water Color.....	Kate M. Bessinger
View of San Francisco.....	G. H. Swasey
Paintings in Oil (3).....	Mrs. C. D. Pierce
Crayon.....	Mrs. J. A. Pendergast
Crayons.....	Samuel Levy
Paintings in Oil (4).....	Mrs. K. G. Maze
Screen (four-fold).....	Mrs. M. J. Holt
Paintings (oil and water color).....	Mrs. T. J. Hyatt
Painting.....	A. McElroy
Crayon.....	Willie C. Ellinwood
Portrait.....	F. Lundy

## PHOTOGRAPHY.

Landscape Photography.....	J. C. Brewster
Landscape and Portrait.....	A. J. Perkins
Photographs (amateur).....	Parker & Hult
Photographs (plain and colored).....	Chas. Lainer
Photographs (landscape and stereoscopic).....	Julius Joshua Klain
Photographs (colored).....	Mrs. Geo. Gowing
Photographs.....	Chas. G. Faist
Photographs (colored).....	A. P. Flaglor
Photographs.....	Chas. A. Boynton
Photographs (Lick Observatory) ..	H. E. Matthews
Lick Observatory Views.....	H. E. Matthews
Portrait (Col. Andrews).....	Taber
California Exhibit, World's Exposition, New Orleans, 1885.....	Centennial Photograph Co., N. O.
California Exhibit, World's Exposition, New Orleans, 1885.....	Centennial Photograph Co., N. O.
California Exhibit, World's Exposition, New Orleans, 1885.....	Centennial Photograph Co., N. O.
California Exhibit, World's Exposition, New Orleans, 1885.....	Centennial Photograph Co., N. O.

TITLE.	EXHIBITOR.
Pacific Slope, Women's Department	
World's Exposition, N. O., 1885....	Centennial Photograph Co., N. O.
Board U. S. Commissioners to World's	
Exposition, N. O., 1885.....	Centennial Photograph Co., N. O.
Board U. S. Commissioners to World's	
Exposition, N. O., 1885.....	Centennial Photograph Co., N. O.
California Headquarters at World's Ex-	
position, N. O., 1885.....	Centennial Photograph Co., N. O.
California Headquarters at World's Ex-	
position, N. O.....	Centennial Photograph Co., N. O.
Veterans of Mexican War, Louisiana,	
1885.....	Centennial Photograph Co., N. O.



# Report of the Committees of Award

UPON THE  
VARIOUS ARTICLES EXHIBITED

AT THE

## Twentieth Industrial Exhibition.

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*The recommendations of the Jurors as to what the premiums should be, have been omitted from this Report. The awards, as given by the Board of Trustees, are printed in Italics and made in accordance with the Premium List, except where specially mentioned. In a few instances meritorious articles were unintentionally overlooked or omitted by the Committees in their examination. Such cases were considered by the Trustees and will be found in the proper class. ALL awards, either Medals or Diplomas, are FIRST PREMIUMS, no second best being given, except wherein specially mentioned.*

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### CLASS 1.

#### Steam Engines, Boilers and Appliances.

JURORS:

G. L. PIERCE,

GEORGE CUMMING.

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Your committee to award premiums in Class 1, Division 1, beg to submit the following report:

AUTOMATIC CUT-OFF ENGINES, CALIFORNIA MANUFACTURE.—There were but two, the Pitchford, exhibited by W. T. Garratt, and the Ohmen & Simmons, exhibited by W. H. Ohmen. The former, a 12x24 inch horizontal engine making eighty revolutions per minute, with steam at engine, as per gauge, 80 lbs., the work or assistance being furnished by a friction-brake on the fly-wheel while indicator diagrams were being taken which showed a total indicated horse-power of 28.27, cutting off at 2-10 of the stroke from

clearance line, which was estimated at 3%; total initial pressure 83.5 lbs. and a terminal of 21.25 lbs. at the point of release, using 28.44 lbs. of dry steam per hour and per horse power. The latter, an 8x8 inch vertical, making one hundred and eighty revolutions per minute, with steam at engine, as per gauge, 75 lbs., clearance 6%, power supplied from a Brush Dynamo, cutting off at 29.100 of stroke from clearance line with a total initial pressure of 84 lbs. and a terminal of 28 lbs. at point of release. Total indicated horse-power was 11.75 using 33.33 lbs. of dry steam per hour and per horse-power, making the Pitchford Cut-off 17 per cent. more economical in the use of steam, coal and water than the Ohmen & Simmons. To produce this amount of steam, using a coal having an evaporative power of 6 to 1 (which is equivalent to the Rocky Mountain, one of the best on this Coast), it will require for the Pitchford engine 4.74 lbs., the Ohmen & Simmons 5.22 lbs. per horse-power per hour, no allowance being made for losses of any kind, such as leakage, blowing off, radiation, etc., which will, in the average of cases, amount to 10 per cent. This would bring the Pitchford to 5.55 lbs. and the Ohmen & Simmons to 6.11 lbs. of coal per horse-power per hour.

Both engines were working far below their capacity, as the Pitchford could easily develop 50, and the Ohmen & Simmons 30 horse-power; but the light load does not account for the extravagant use of steam or the high terminals at the point of release shown by the diagrams, particularly those taken from the Ohmen & Simmons engine. Neither can it be accounted for on the theory of re-evaporation of water in the cylinder on account of its volume; but we have no hesitation in saying that the larger portion is due to leaky valves. The same defect manifested itself in both; but is more conspicuous in the Ohmen & Simmons engine.

In point of fact the Ohmen & Simmons engine far excelled its competitor, and is better adapted for high speed while equally good for long-stroke slow running engines, while the Pitchford must be confined to a rotative speed not to exceed one hundred and fifty revolutions per minute.

Both engines are California inventions and manufacture, equally well made, but of distinct types—so much so, that they were unfit to compete with each other. Both should have been vertical or horizontal, same size, and worked under the same conditions. But no one was to blame except those interested; they not only chose their own battle ground, but were allowed to choose and manipulate their own engine and indicator to make as good a showing as they possibly could, each for himself. And while your committee are unanimous in recommending Mr. W. T. Garratt to the highest award, on account of superior economy, we think it but just, and think we do not transcend our prerogative, to recommend to Mr. W. H. Ohmen an award also.

W. T. GARRATT.—Pitchford Corliss Engine.

Gold Medal.

W. H. OHMEN.—Automatic Cut-off Steam Engine.

Silver Medal.

Messrs. PARK & LACY exhibited a Westinghouse two-cylinder single-acting high speed automatic engine, 8½-inch cylinder and 8-inch stroke, to compete with any of its class in the exhibition; and your committee put forth every endeavor in their power to induce the San Francisco Tool Company, who

had on exhibition a similar engine (although not automatic), to take up the gauntlet, but to no avail. Your committee were forced to test the Westinghouse alone, as Messrs. Park & Lacy were determined that their engine should be put on record. The engine was connected to, by belt, and drove a Keith's Dynamo during the test, which lasted three hours, and indicator diagrams were taken during the entire time.

Engine 8 $\frac{1}{2}$ x8 inches, making 360 revolutions per minute, steam, as per gauge at engine, 80 lbs., clearance 8 25.100 per cent., and compression commencing at 70.100 of the return stroke; average back pressure, not including compression, 4 lbs. above atmospheric line, average initial pressure 74 lbs., average initial pressure at point of release 39 lbs., total indicated horse-power 25 25.100, using 35.39 lbs. of dry steam per hour and per horse-power. If using the same coal as before mentioned, and making the same allowance for losses, the consumption would be 6 53-100 lbs. per hour per horse-power. This is a good showing considering the class of engine and the low evaporative power of our coal. There being no competition (although eagerly sought) your committee recommend that Messrs. Park & Lacy receive an award.

*Silver Medal.*

THE SAN FRANCISCO TOOL COMPANY's Engines of the same class, being of California manufacture and from external appearances well made and finished, we would recommend that they be awarded a premium, as also for best check and foot valves.

For High Speed Engine.

*Bronze Medal.*

For Check and Foot Valves.

*Diploma.*

Mr. J. H. DARRAGH exhibited a large-size rotary steam engine, in motion, but running light, the internal parts of which were explained to us by the inventor through the aid of drawings; and, while exhibiting defects, it shows a great amount of skilled ingenuity, having two pistons and two slide valves, and works the steam expansively. But while there is great room for improvement, your committee consider it the best of its kind that has come under their observation. Although not entered in competition, under Rule XV. your committee would recommend that he be awarded

*Silver Medal.*

ENGINES WITH SLIDE VALVE CUT-OFF NOT LESS THAN 15 HORSE-POWER, IN MOTION, were exhibited by Messrs. H. P. Gregory & Co., known as the "Atlas Engine," a single slide valve automatic cut-off. But it was running without any load, consequently its merits were not questioned or investigated. Being the only one on exhibition, we would recommend that they be awarded.

*Diploma.*

The same firm also exhibited some fine specimens of the Otto gas engine, two of single-cylinder and one double-cylinder. Your committee would have gladly tested them to ascertain the consumption of gas per hour per horse-power, when working up to their full capacity, but were not accorded the conveniences for so doing. Being the only ones on exhibition, your committee would recommend that they be awarded.

*Bronze Medal.*

ENGINES WITH PLAIN SLIDE VALVE, IN MOTION.—The only engine answering this description was an English, low-pressure, condensing engine of two-horse power, exhibited by Messrs. Tatum & Bowen, called the safety engine, from the fact that the pressure in the boiler seldom if ever exceeds two pounds above the atmosphere, making them well adapted wherever a small power is required by inexperienced persons. Your committee would recommend an award.

*Silver Medal.*

PORTABLE ENGINES, ON WHEELS, FOR FARM AND GENERAL USE.—Mr. H. W. Rice exhibited an engine of his own manufacture well adapted for any and all kinds of work for which a steam engine is required on the farm or in the factory, when the power required does not exceed twenty-five horse-power. Your committee would recommend the award of a

*Silver Medal.*

A THRESHING-ENGINE (straw-burner) was exhibited by Baker & Hamilton, and manufactured by them at their works at Benicia. It was a fine specimen, but the only one on exhibition, consequently no tests of any kind were entered into that would have the tendency to bring out their good or bad points. But to all appearances it is well worthy an award. *Bronze Medal.*

The same firm exhibited a large-sized Traction or Road engine, manufactured by Buffalo Pitts, at Buffalo, New York. Judging from the explanation given us by Mr. M. N. Laufenberg (as your committee were not able to submit the machine to any test) we would consider it practical for the purpose for which it is intended, the inventor having surmounted some of the heretofore existing mechanical difficulties coherent with this class of engines. We would therefore recommend that Messrs. Baker & Hamilton receive an award.

*Silver Medal.*

E. B. BADLAM, a young apprentice, exhibited a small vertical engine and boiler combined, in motion. The boiler he claims to be his own invention, for which he holds a patent, and which consists of a central drop tube hanging from a crown sheet located within a short distance from the top, leaving only sufficient room for water and steam. Around the drop tube radiates a large number of small ones in a horizontal position tapped into the column with their outer end capped; the small radial tubes are supplied with circulating diaphragm by which he claims to establish a perfect circulation of the water within. It is ingenious and shows a great amount of study, reflecting great credit on the youthful engineer. Your committee would recommend that he be awarded a premium.

*Silver Medal.*

C. A. KING, a young man of fifteen years, exhibited as a masterpiece of his own handiwork a small vertical steam engine, in motion, called the "Baby." The proportions and workmanship would reflect credit on older heads and hands; and, as an encouragement to further efforts, your committee would recommend that he be awarded a premium.

*Silver Medal.*

C. F. MARWEDEL also exhibited a small vertical engine, similar and about the same size as the above, but does not claim it as his own work. It was a very neat specimen of a working model, and we would recommend a

*Diploma.*

W. W. HASLEHURST exhibited a very neat specimen of a small link-motion engine, about three horse-power, finely finished but possessing no new feature. As a good piece of workmanship we should recommend it.

*Silver Medal.*

H. SLOCOMB & Co., WHYTE & DE ROME AND J. E. TUCKER exhibited Cylinder Lubricators, each for himself, and, although different in pattern, were one and the same in principle, equal in operation and results. Your committee would therefore recommend that they all be awarded. *Bronze Medal to each.*

Mr. JOHN MAILER exhibited an improved Grate-bar and also an improved Steam Boiler Furnace. The Grate-bar is California make, and your committee would recommend an award. *Diploma.*

J. R. PETERS exhibited an Hydraulic Speed Indicator; but as we could not find any one to explain its functions, the inability of your committee to comprehend it without an oral or ocular demonstration forbids any comment on our part.

W. T. Y SCHENCK exhibited a fine assortment of Flax Packing for steam engines, and also Enamelled Water-gauge Glasses. We would recommend that each receive a premium. *Diploma to each.*

W. FASSETT & Co. exhibited a Smoke Consumer, "The Merrill Patent," which they put in operation in the furnaces under the boilers of the Institute. It was put in so late, however, that it was impossible to give it a fair trial. It consisted of a superheated steam jet or jets across the furnaces; the super-heater consisted of a coil of pipe on both sides of the furnace, the jets meeting in the center; the coils were protected from oxidization by a fire-brick wall, and the quantity of steam regulated by a globe valve over the door of the fire-front. There was not time to test its merits.

## CLASS 2.

### Hydraulic Machinery and Steam Pumps.

JURORS:

W. H. SMITH,

J. G. SHEPARD.

We, your committee, beg respectfully to submit the following report:

Goss & Dow.—Steam Pump, Direct and Double-acting, in motion.

*Grand Silver Medal.*

SAN FRANCISCO TOOL Co.—Centrifugal Steam Pump, in motion.

*Grand Bronze Medal.*

CHAS. P. McCARTHY.—Tuerk's Hydraulic Motor for running light machinery. *Silver Medal.*

GEO. H. TAY & Co.—Backus Water Motor.

*Diploma*

THOMPSON & EVANS.—Steam Pump with Crank and Fly-wheel.—This was the best display. *Grand Bronze Medal.*

WOODIN & LITTLE.—Windmill Pumps. *Silver Medal.*

Hand Pumps, best display. *Diploma.*

H. P. GREGORY & Co.—Duplex Steam Pump, in operation. *Silver Medal.*

### CLASS 3.

#### Mechanics' Tools and Metal Working Machinery.

##### JURORS:

Wm. H. BIRCH,	R. S. MOORE,
W. H. MILLIKEN.	

We, the jurors appointed to pass upon exhibits, recommend as follows:

SAN FRANCISCO TOOL CO.—General Display of Machinists' Tools and Metal Working Machinery.—This was the best, for which we recommend the award.

For the Best General Display.	<i>Grand Silver Medal.</i>
Best Engine Lathe.	<i>Silver Medal.</i>
Best Shaping Machine.	<i>Bronze Medal.</i>
Best Power Drilling Machine.	<i>Silver Medal.</i>
Best Shaft Coupling.	<i>Diploma.</i>

C. F. MARWEDEL.—Display of Machinists' and Moulders' Tools.	<i>Grand Bronze Medal.</i>
For Display of "Prentiss Vises."	<i>Diploma.</i>
TATUM & BOWEN.—Emery Wheel, in operation.	<i>Bronze Medal.</i>
H. SANDERS.—Artesian Well-boring Tools.	<i>Silver Medal.</i>

### CLASS 4.

#### Wood-working Machinery.

##### JURORS:

W. N. MILLER,	A. J. SANBORN,
A. W. STARBIRD.	

Your committee beg leave to submit the following as the result of their deliberations:

JAMES T. JENKINS.—Lightning Wedge Cutter.—Of this invention we would make honorable mention.

**WILLIAM BANKS.**—Combined Wood Planer and Edger.—For this we recommend an award. *Diploma.*

**H. P. GREGORY & Co.**—The Pacific Band Saw.—This machine was in motion and a fine specimen of California manufacture. In the hands of the operator, Mr. Haver, it does wonderful work. *Bronze Medal.*

**TATUM & BOWEN.**—The "Hoe" Circular Saw.—The improvement of this saw consists of a ring receiving the shank formerly used in the saw plate which takes the wear, thereby preserving the plate intact. A neat and effective device.

They also present a new invention for swageing the bits used in the saw, which is a very useful appendix.

For the "Hoe" Saw

*Grand Bronze Medal.*

## CLASS 5.

### Printing and Miscellaneous Machinery.

#### JURORS:

JOHN HAMMOND,  
A. DOHRMANN,

S. DINSMORE,  
JOHN W. HOWARD.

Your committee, appointed as Judges in Class 5, beg leave to submit the following, with apologies for its brevity:

The exhibits in this Class are of such a character and so widely scattered over the Pavilion that the labors of the committee were arduous, and the time limited in which to inspect various articles; but we have endeavored to do justice to the exhibitors and recommend awards to the following:

**PETALUMA FOUNDRY AND MACHINE WORKS.**—Model of Wine and Cider Press. *Diploma.*

**FRED S. JONES.**—Cake Mixing Machine. *Diploma.*

**H. H. BODWELL & SON.**—Windmills. *Diploma.*

**F. W. KROGH & Co.**—Windmills. *Diploma.*

**C. W. CORWIN.**—Lowell Patent Stopper for Bottles. *Diploma.*

**L. CUTTING.**—Device for Turning Eggs in Incubator. *Diploma.*

**J. P. FORBES.**—Weighing and Measuring Jar. *Diploma.*

**C. W. WESTON.**—Fire Kindler. *Diploma.*

**S. F. CHRONICLE.**—Stereotype Plates and Cuts. *Grand Bronze Medal.*

**WILLIS & LANDGRAVE.**—Fare Box and Change Gate for Street Cars. *Diploma.*

**EXAMINER PUBLISHING Co.**—Stereotype Plates and Cuts. *Bronze Medal.*

**D. S. CIPHERS.**—Pop-corn Machine. *Diploma.*

G. C. WICKSON & Co.—Remington Type-writer.	<i>Diploma.</i>
Stenographs.	<i>Diploma.</i>
Pneumatic Copying Press.	<i>Diploma.</i>
A. BOSCHKE.—Model of Hydraulic Dirt Conveyor.	<i>Diploma.</i>
H. B. ANGEL.—Model of Dredging Machine.	<i>Diploma.</i>
JOSEPH WAGNER & Co.—Display of Flour Mill Machinery and Supplies.	<i>Silver Medal.</i>
H. H. KRYGER.—Roller Process Flour Mill Machinery.	<i>Silver Medal.</i>
PALMER & REY.—Printing Machinery and Type Casting Machine.	<i>Silver Medal.</i>
WEISTER & Co.—Star Roller Skates.	<i>Diploma.</i>

## CLASS 6.

**Mining Machinery and Appliances.**

## J U R O R S :

W. J. COLLINS,

M. B. DODGE.

Your committee respectfully submit the following report and recommendations:

DAVID B. JAMES.—Mining Car. *Bronze Medal.*

H. NORRIS.—Dry Placer Gold Concentrator. *Grand Bronze Medal.*

HENRY R. TAYLOR.—Rock Fine Crusher.—This machine is for the use of assayers, and well adapted for the purpose. It fills a long-felt want and does its work well. It can be operated by a boy and grinds the rock very much more quickly and easily than can be done by the old-fashioned mortar and pestle. We consider it a valuable and labor-saving invention.

*Silver Medal.*

J. F. N. MACAY.—Rotary Decanting Filter.— Evidently a good thing for the purpose. *Diploma.*

DAVID B. JAMES.—Hand Car, Rock Breaker and Rocking Stamp Mill.  
For the Mill. *Diploma.*

JOHN TAYLOR & Co.—Assayers' Materials.—This firm has a very complete display of these articles and deserve credit for their enterprise in making so fine an exhibit. (See Class 38).

E. G. DENNISTON.—Silver-plated Amalgamating Plate.—We consider this a fine and creditable piece of work, and deem it worthy of an award.

*Diploma.*

We regret that there is not a large and more satisfactory number of exhibits in this Class, as we think it may be rightly considered of great importance and

interest to this State, and would recommend that means for procuring a larger and a better exhibit be carefully considered, and an earnest effort be made to increase and improve it.

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## CLASS 7.

### Laundry Machinery.

#### JURORS:

A. W. SCOTT,  
H. C. MACY,

W. J. HARRINGTON,  
MARTIN WHITE.

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Your committee respectfully make the following report:

E. W. MELVIN.—Clothes Washers, Wringers and Clothes Dryers.

For Hand Washing Machine.	<i>Bronze Medal</i>
For Best Wringer, in operation,	<i>Diploma.</i>
For Best Clothes Dryer.	<i>Diploma.</i>

KEYSTONE WRINGER Co.—Wringers.	<i>Diploma.</i>
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HYDRAULIC CLOTHES WASHER Co.—(Dannmeyer's Patent) Hydraulic Clothes Washer.—This machine your committee deem worthy of the first premium in this Class.	<i>Diploma.</i>
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MRS. A. D. WALDRON.—Wooden Washerwoman.—Very ingenious and worthy of an award.	<i>Diploma.</i>
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E. WARBASS.—Self-heating Flat Iron.	<i>Diploma.</i>
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## CLASS 8.

### Fire Apparatus and Appliances.

#### JURORS:

W. J. HARRINGTON,  
H. C. MACY,

MARTIN WHITE,  
A. W. SCOTT.

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After examination of articles in this Class we recommend the following:

J. T. TITUS.—Hose Coupling.—This is one of the finest couplings it has ever been our fortune to see. A member of this committee, who has been connected with the San Francisco Fire Department for fourteen years, asserts that he has never seen its equal. We therefore recommend an award.

*Silver Medal.*

W. T. Y. SCHENCK.—Hose Reel. *Diploma.*

CALIFORNIA FIRE APPARATUS MANUFACTURING Co.—Display of Fire Department Articles.

Best Hose Cart. *Grand Bronze Medal.*

Fire Department Supplies. *Diploma.*

Best Carbonic Acid Gas Engine. *Silver Medal.*

J. BIEN.—Fire Escape.—This invention is very compact and complete, being easily handled and not affected by fire when in use. *Bronze Medal.*

OLE HANSEN.—Fire Escape. *Diploma.*

We find nothing else in this Class we deem worthy of a premium.

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## CLASS 9.

### Marine.

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Owing to the limited number of exhibits in Classes 9 and 10 no jurors were appointed, and the examination of articles was referred to the Committee on Rules and Awards of the Trustees, who, after examination, recommended the following:

JOHN LAIRD.—Model of an Iron-clad Man-of-War.—This model was made by a boy only 14 years of age, and shows a high order of mechanical ability and perseverance. *Diploma.*

C. T. PETERS.—Display of Models and Miniature Ships. *Diploma*

CHAS. F. FARCIOT.—Small Steam Launch, made in Alaska.

The following sketch of this remarkable exhibit was published in the *Evening Bulletin* during the Fair. It cannot fail to prove interesting in connection with this report:

"During this last winter on the Yukon, Mr. Farciot performed a task which it will be hard to find equalled in the history of mechanics. He built a boat, and an engine with which to propel it, having at his disposal only the wood obtainable in the vicinity, a few lengths of gas-pipe, taken from this city to be used in mining operations, one or two files and a ratchet, with a few wood-cutting tools. With such material and tools he constructed a propeller which carried him at the rate of seven knots an hour, 1,200 miles, and which can now be seen in the machinery department at the Mechanics' Pavilion, where it was placed a few days ago. The engine is composed wholly of pieces of gas-pipe, as one can see by inspecting it. The cylinder is gas-pipe, the rods and all the iron-work are gas-pipe, except the propeller and its center, the former being beaten iron, and the latter iron nuts. It is as an ingenious a piece of mechanism as was ever built, and has proved as effective as it is ingenious. Its maker is an engineer by profession, and has turned his knowledge to good account. He intended to place the engine in a bark canoe, but not being able

to build one strong enough, he constructed a wooden boat about fifteen feet long, in which he made the descent of the Yukon to its mouth, and thence around by sea to St. Michaels. During this trip by sea he encountered a storm, which made an old sea-captain who accompanied him shed tears of alarm as salt as the spray with which he was deluged. But the little propeller brought both safe to port, and was subsequently brought down to San Francisco by Lieut. Stoney. Those who are desirous of seeing this famous little craft, can do so by visiting the Fair."

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## CLASS 10.

### Sewing Machines, etc.

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J. L. HICKS.—Display of the "New York" Sewing Machines for Domestic Use. *Silver Medal.*

J. F. HAGERTY.—Button-hole Machine.—This was in operation, evenings, and was very ingeniously constructed. *Silver Medal.*

T. S. CLARK & SON.—Wire Weaving Machine.—This was in operation day and evening, making wire mattresses. *Diploma.*

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## CLASS 11.

### Agricultural Machinery.

#### JURORS:

AMOS ADAMS,  
RAOUL CHARTRY,

L. W. McGLAUFLIN,  
D. KENDIG.

We, the jurors in Class 11, having examined all the articles in this Class, recommend the following as worthy of awards:

BAKER & HAMILTON.—Agricultural Machinery and Appliances.

Best General Display of Agricultural Machinery.	<i>Gold Medal.</i>
Best Mower.	<i>Diploma.</i>
Best Lawn Mower (Easy Lawn Mower).	<i>Diploma.</i>
Best Thresher and Separator.	<i>Silver Medal.</i>
Best Broad-cast Seeder (Gem Seed-Sower)	<i>Diploma.</i>
Best Gang Plow, California make.	<i>Silver Medal.</i>
Best Plow for General Purposes.	<i>Diploma.</i>
Best Disc Harrow.	<i>Bronze Medal</i>
Best Header.	<i>Silver Medal.</i>

<b>HAWLEY BROS. HARDWARE Co.</b> —Agricultural Implements and Machinery.	
Best Reaper and Mower, with Self Raker.	<i>Silver Medal.</i>
Best Riding Cultivator.	<i>Bronze Medal.</i>
Best Potato Digger.	<i>Silver Medal.</i>
Best Sulky Plow.	<i>Diploma.</i>
Best Seed Drill.	<i>Diploma.</i>
Best General Display of Agricultural Implements.	<i>Silver Medal.</i>
Best Corn Sheller.	<i>Bronze Medal.</i>
Best Tree Digger.	<i>Bronze Medal.</i>
<b>BYRON JACKSON.</b> —Feeder for Threshing Machines.	<i>Bronze Medal.</i>
<b>B. F. PRITCHARD.</b> —Steam Header and Thresher, California make.	<i>Silver Medal.</i>
<b>DAVID BRADLEY MANUFACTURING Co.</b> —Best Walking Cultivator.	
<i>Diploma.</i>	
Best Sulky Hay Rake.	<i>Bronze Medal.</i>
<b>G. G. WICKSON &amp; Co.</b> —Agricultural Implements, etc.—Best Harrow, California make.	
<i>Bronze Medal.</i>	
Best Hay and Straw Cutter.	<i>Bronze Medal.</i>
Best Cream Separator.	<i>Silver Medal.</i>
Best Barrel Churn.	<i>Diploma.</i>
<b>R. J. KNAPP.</b> —Best Side-hill Plow.	<i>Diploma.</i>
<b>W. C. STILES.</b> —Best Portable Mill for Grinding Grain.	<i>Silver Medal.</i>
<b>AUGUST DAVID.</b> —Grape Stemmer and Crusher.	<i>Diploma.</i>
<b>J. V. LACEY.</b> —Best Sulky Harrow.	<i>Silver Medal.</i>
<b>LEACH &amp; HUNT.</b> —Honey Extractor.	<i>Bronze Medal.</i>
<b>C. F. BAUER.</b> —Vegetable Cutter.	<i>Diploma.</i>
<b>JOHN CHRISTIAN.</b> —Thresher Teeth.	<i>Bronze Medal.</i>
<b>IRA BISHOP.</b> —Sack Elevator.	<i>Diploma.</i>
<b>WOODIN &amp; LITTLE.</b> —Sprinklers for Gardens, etc.	<i>Diploma.</i>
Spray Pump.	<i>Diploma.</i>
<b>CALIFORNIA FIRE APPARATUS MANUFACTURING Co.</b> —Spray Pump.—We find this to be the most portable, complete, practical and best constructed pump for the purpose, on exhibition.	<i>Bronze Medal.</i>

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CLASS 12.

## Manufactured Products of Iron, Steel and Lead.

## J U R O R S :

JAMES PATTERSON,

I. H. SMALL.

THORNTON THOMPSON,

Your committee in Class 12 would respectfully report and recommend the following for awards:

A. E. KITTREDGE.—Ornamental Iron Work, consisting of Doors, Railing, Fencing, etc. *Silver Medal.*

H. W. HAMMOND.—Samples of Steel. *Diploma.*

G. W. PENNINGTON & SON.—Steel drawn from Ingots.—This is a new enterprise, and their work compares favorably with the imported. *Diploma.*

CALIFORNIA WIRE WORKS.—Wire Rope, Cables, Ornamental Goods, etc. *Gold Medal.*

WESTERN CHAIN WORKS.—Iron and Steel Chain, Shackles, Hooks, etc., Forge in operation. *Silver Medal.*

PACIFIC ROLLING MILL COMPANY.—General Display of Iron and Steel, of California make. This was a remarkable and fine display of Steel Rails, Railroad Frogs, Switch Work, Railroad Axles, Steel Tires, Machinery Steel, Steel Castings, etc. This is a new industry here, and the first open-hearth steel made on this coast. They also exhibited forgings in Steel and Iron of immense Steamship Crank Shafts, Stationery Engine Crank Shafts, and a general variety of shapes and designs entering largely into every branch of Mechanical Industry.

For Steel Castings, Forgings, etc. *Gold Medal.*

For Iron and Steel, California Make. *Grand Silver Medal.*

H. SANDERS.—Well-boring Tools. *Silver Medal.*

DAVID KERR.—Truck Axle. *Silver Medal.*

PAYNE BROS.—Lag Screws, Bolts, Washers, Nuts, etc. *Silver Medal.*

W. H. DE PRYNE.—Horse Shoes, Hand Made. *Diploma.*

### CLASS 13.

#### Cooking, Heating and Ventilating.

##### J U R O R S :

H. C. MACY,

J. M. PIERCE,

ASA R. WELLS.

Your committee appointed to examine articles in Class 13, respectfully submit the following as the result of their labor, after a thorough, careful and impartial investigation of the merit of the various exhibits submitted for examination:

C. D. HARVEY.—Hot Water Heating Apparatus and Steam Radiators. *Silver Medal.*

WIESTER & Co.—Improved Coal Oil Stove, California make. *Bronze Medal.*

JOHN F. MYERS & Co.—General display of Oil, Gas and Vapor Stoves, and Gas Cooking Apparatus. *Silver Medal.*

For the Daisy Oil Stove, of California invention and manufacture.

*Bronze Medal.*

GEO. H. CROLEY.—Sealing Wax Strings for Fruit Jars. *Diploma.*

MRS. S. B. LONG.—Improvement on Gas Stoves. *Diploma.*

HUNTER & SHACKLEFORD.—Draft Regulator for Grates. *Diploma.*

ALBRECHT & WATERS.—Gasoline Stoves. *Bronze Medal.*

Flat-Iron Heater. *Diploma.*

DUFFY & WILLIAMS.—Patent Tubular, Tea Kettles and Stove Boilers.

*Bronze Medal.*

Gas Logs. *Diploma.*

J. M. DUNCAN.—French Ranges. *Bronze Medal.*

GEO. H. TAY & Co.—Stoves of Home manufacture.

For Best Display. *Gold Medal.*

ZEIGLER IRON Co.—Stoves and Ranges. *Silver Medal.*

W. H. RICHARDSON.—Smoke-consuming Stove. *Diploma.*

M. E. PHILLIPS.—Vapor Stoves. *Diploma.*

E. H. FARMER.—Woolsey's Steam Generator for cooking purposes.

*Diploma.*

S. G. WILLIAMS & Son.—Mantel Grates with patent shaking dump-baskets.

*Bronze Medal.*

## CLASS 14.

### General Hardware, Guns, etc.

#### J U R O R S :

THORNTON THOMPSON,

JAMES PATTERSON,

CHARLES ELLIOT.

Your committee respectfully report the following exhibitors as being entitled to an award:

SCHNEIDER & AREY.—High Explosive Whale Lance. *Diploma.*

MRS. F. M. TRUWORTHY.—Stencil Plates and Designs. *Diploma.*

JOHN S. BENN.—Artificial Flies. *Diploma.*

LIDDLE & KAEDING.—Fire Arms, Fishing Tackle, Sporting Goods, etc.

For Assortment of Fire Arms. *Bronze Medal.*

For Fishing Tackle. *Silver Medal.*

## CLASS 15.

**Fire and Burglar Proof Safes and Locks.**

J U R O R S :

JAMES PATTERSON,

CHARLES ELLIOT.

THORNTON THOMPSON,

Your committee respectfully recommend to the Hall Safe and Lock Company, for their very fine display, the awards set forth in the Premium List:

For the best display of Fire and Burglar Proof Safes.	<i>Gold Medal.</i>
Best Fire Proof Safe.	<i>Silver Medal.</i>
Best Burglar Proof Safe.	<i>Silver Medal.</i>
Best Burglar Proof Lock not attached to safe.	<i>Silver Medal.</i>

## CLASS 16.

**Cutlery and Edge Tools.**

J U R O R S :

CHARLES ELLIOT,

THORNTON THOMPSON.

JAMES PATTERSON,

The labor of your committee on this Class has been very light, as there were but few exhibits, and no competition:

WILL & FINCK.—General display of Cutlery and Sporting goods.	
Best display of Cutlery.	<i>Grand Silver Medal.</i>
Best California-made Carving Set.	<i>Silver Medal.</i>
FRANK A. DAVIS.—Cutting Dies for leather, etc.	<i>Grand Bronze Medal.</i>

## CLASS 17.

**Grates, Mantels, Marbles, Artificial Stone, Earthenware, Glassware, etc.**

J U R O R S :

ASA A. WELLS,

H. C. MACY.

J. M. PIERCE,

After a thorough and careful examination of the articles in this Class, we recommend the following as worthy of premiums:

J. & F. KESSELER.—Onyx Mantel and Pedestals.	<i>Grand Silver Medal.</i>
J. BROWELL.—Patent Chimneys of Terra Cotta, and Plumbago linings for chimneys.	<i>Silver Medal.</i>
M. SCHOLL.—Chimney Caps.	<i>Diploma.</i>
CHARLES SUTTON.—Artificial Stone.	<i>Diploma.</i>
JOHN TAYLOR & Co.—Display of Cut Glass.	<i>Diploma.</i>
S. P. KIMBALL.—Pozzuolana Cement.	<i>Diploma.</i>
GRANOLITHIC PAVING Co.—Manufactured Stone.	<i>Silver Medal.</i>

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## CLASS 18.

**Brass Work, Gas and Lamp Fixtures, Plumbers' Goods, etc.**

## J U R O R S :

DAVID BUSH,

J. G. SHEPARD,

H. P. CHRISTIE.

Your committee, to whom was delegated the examination of articles in Class 18, would respectfully make the following recommendations:

EMILE BOESCH.—A fine and general display of Lamps, Reflectors, Metal Work and useful articles.

For best Lanterns and Reflectors.	<i>Grand Bronze Medal.</i>
Zinc Ornamental Work.	<i>Bronze Medal.</i>
Best Copper Work.	<i>Silver Medal.</i>
Best Metal Spun Work.	<i>Silver Medal.</i>

WEED &amp; KINGWELL.—Brass Goods, etc.

For the best assortment.	<i>Gold Medal.</i>
Best Plumbers' Goods.	<i>Silver Medal.</i>
Bronze and Composition Castings.	<i>Silver Medal.</i>
Display of Bells.	<i>Silver Medal.</i>
Best assortment of Steam Fittings.	<i>Bronze Medal.</i>

THOMAS DAY &amp; Co.—Gas Fixtures, etc.

We specially recommend an award for their elegant Gas Fixtures of their own manufacture.

*Grand Silver Medal.*

A. S. GRAFF.—Display of Lamps.	<i>Bronze Medal.</i>
Best Coal Oil Lamps.	<i>Grand Bronze Medal.</i>
J. T. TITUS.—Best Sewer Trap.	<i>Silver Medal.</i>
CHARLES WELCHMAN.—Maignen's Patent Water Filter.	<i>Bronze Medal.</i>
GAS CONSUMERS' ASSOCIATION.—Best Gas Regulator.	<i>Bronze Medal.</i>
B. F. BUSH.—Automatic Saving Gas Burner.	<i>Diploma.</i>

## CLASS 19.

**General Wood Work, Ornamental Glass, Painting, etc.**

## JURORS:

AUGUSTUS LAVER,  
G. W. PERCY,

EDWARD BURNHAM.

C. G. Moore,  
D. RICHARDS,

We the jurors appointed to examine and report on the exhibits in Class 19, respectfully submit the following:

JOHN MALLON.—Stained, Embossed, Cut and Bent Glass.

*Stained Glass.*—This is a very fine exhibit, indeed. It ought to be a matter of pride with Californians that work of such high grade of artistic excellence can be produced in San Francisco.

We very much doubt if, at any establishment in the Eastern States for the manufacture of artistic stained glass, better work can be produced than some of the samples here shown—not only this, but we think that for correct drawing, richness and elegance of design and harmonious combination of colors, several of the specimens in this exhibit will compare with the work of European artists. We wish especially to instance “The Banning Memorial Window,” and “Longfellow Window,” in which the figure of the Madonna in the former, and the portrait of Longfellow in the latter, show artistic conception and execution of a very high order. These are only two of the several examples equally meritorious which might be cited.

Considering the importance and extensive use now made of stained glass in ecclesiastical and domestic architecture, the enterprise of this firm and the uniform excellence of their work, as here shown, we are of the opinion that only an award of the highest premium would be at all commensurate with its merits.

*Gold Medal.*

The displays of cut and embossed glass by the same firm are also very creditable, and show great skill in design. The samples of bent glass, a process requiring very skillful handling and complete appliances for the purpose, are very satisfactory, and we therefore recommend for the best exhibits of cut, embossed and bent glass, taken as a whole, an award.

*Silver Medal.*

W. H. WARREN.—Embossed Glass, Gold and Silver Looking Glasses.—It is but simple justice to say that several of the examples of embossed work on both colored and plain glass here shown possess considerable merit. The boldness and freshness that characterize many of the designs, the beautiful delicacy of others, and the excellent draftsmanship displayed, surely deserves reward. The mechanical execution shows the work of an expert in his business. The exhibit, however, is neither very extensive nor varied, but we recommend an award.

*Grand Bronze Medal.*

THOS. HATCH.—California and Pacific Coast Woods.—This is one of the most interesting displays of the kind that could be made, and would be a valuable accession to any exhibition. The exhibitor, Mr. T. Hatch, is a mechanic of San Francisco, and has for years been an enthusiastic collector of beautiful woods; and the result is here displayed. The collection is large and varied, shows good taste and arrangement, and mechanical skill in the handling and polish of the various specimens with a view to heightening and bringing out the beauties of the natural grain.

There is no reward mentioned in the premium list of Class 19, for an exhibit of this character; but, under Rule 15, certain powers are conferred upon jurors of recommending any meritorious article; so that in view of the importance to California of having her natural resources in the way of beautiful finishing woods effectively made known, and considering the industry and enterprise shown by Mr. Hatch in doing what many of our wealthy lumber firms in California have long neglected to do, we think it but just that his laudable and successful efforts in this direction should meet with recognition and encouragement, and therefore we strongly recommend an award. (See Class 32.)

S. & G. GUMP.—Gilt Pedestals, Tables, Picture Frames, Mirror Frames, Wooden Mantels, Mirrors, Furniture, Engravings, Water Colors.—This firm makes a very large and effective exhibit of California manufactures. The design of many of the articles is good; particularly is this the case with two of the mantels on exhibition, one of which is executed in walnut, and the other in oak. The cabinets, also the onyx-topped pedestals and tables, are both beautiful and novel in design. The workmanship on every article exhibited here is excellent, and the display of engravings and original water colors is very creditable.

Altogether, the exhibit is in extent, variety, effectiveness and good taste one of the best. We therefore recommend an award for superiority of design and workmanship of mirror frames, pedestals, picture frames and mantels.

*Gold Medal.*

For the Best Display of Cabinets, Bric-a-Brac, Engravings and Water Colors.

*Silver Medal.*

SANBORN, VAIL & Co.—Mirrors, Mirror Frames, Statuary, Water Colors.—This exhibit is not very extensive. Some of the mirror frames and picture frames, however, are original, elegant and chaste in design, and very good in execution. The display of engravings is also commendable.

We recommend for excellence of design and workmanship of mirror frames and picture frames, and for display of engravings, an award. *Silver Medal.*

G. P. ASTON & Co.—Portable Conservatory.—Ingenious in many respects, and useful. We recommend an award. *Silver Medal.*

C. W. WESTCOTT.—Window Sash Steadier.—Simple and useful contrivance, neat in appearance. *Diploma.*

E. T. STEEN.—Window Seats (moveable).—Very useful and sure to accomplish the purpose for which they are intended effectively. We recommend an award. *Bronze Medal.*

MRS. G. T. ATKINSON.—California Wood Turned Articles.—A creditable display of useful articles, many of them of pleasing design. *Diploma.*

E. O. GLYNN.—Wooden Chain.—There is little to commend in work of this kind but the patience of the performer.

J. W. E. HOWE.—Table Tops, Imitation of Inlaid Wood and Marble.—This is evidently the work of a skilled mechanic who has misdirected his powers to produce a sham.

G. F. SCHILLER.—Fresco Work and Stucco Work.—Some of the specimens shown are quite good in design and workmanship. *Grand Bronze Medal.*

WM. BATEMAN.—Wire Window Screen.—An ingenious and useful adaptation. *Diploma.*

A. C. FARNSWORTH.—Sash Fasteners, Locks, Castors, Transom-lifts, Door-hangers.—A small but creditable display of imported bronze hardware of good design and finish. *Diploma.*

GEORGE V. BLACKMAN.—Door Knob and Gravity Lock.—Ingenious and seemingly effective. *Diploma.*

JOHN OHNIMUS.—Ornamental Glass Signs.—We find nothing of particular excellence in this exhibit. *Diploma.*

## CLASS 20.

### Musical Instruments.

#### JURORS:

CHARLES KOHLER,

MRS. JOHN LEALE,

D. RICHARDS.

The committee of jurors on Class 20 beg leave to report as follows:

JOHN BERGSTROM & Co.—Pipe Organ, California make.—This organ needs no comment from us. In finish, workmanship and tone it stands so boldly out to thousands, besides your committee, that it deserves the highest award. *Gold Medal.*

SHERMAN, CLAY & Co.—Display of Organs and Pianos of California make.—While not extensive it filled the requirements, and we recommend it.

For Best General Display.

*Silver Medal.*

KOHLER & CHASE.—General Display of Musical Instruments and Merchandise other than California make.—A very meritorious display, handsomely put up and worthy in every way.

For Best General Display.

*Grand Bronze Medal.*

KOHLER & CHASE.—Brass Wind Instruments.—This display proved very instructive, while noting the several sizes, from the sweet-toned baby cornet to the (Jumbo-like) E<sub>b</sub> bass. The collection was superb and very worthy.

For the Best Brass Wind Instruments.

*Silver Medal.*

T. W. BREE.—Stringed Instruments, made in California.—For display of best finished and finest-toned banjo instruments.

*Silver Medal.*

KOHLER & CHASE.—Display of Music Boxes.—While not extensive it was costly. Some boxes shown us were very meritorious.

*Bronze Medal.*

SHERMAN, CLAY & Co.—Pianos, imported.—After close examination and listening to the music from six or eight varieties of make, we conclude that by far the best pianos, in all their parts, for construction, finish and tone, were the Chickering Upright and Baby Grand.

*Bronze Medal.*

In Rule XV. you have conferred upon jurors discretionary powers, of which we avail ourselves regarding the following recommendations:

In the matter of BEST CORNETS we have decided, after a very spirited and keen contest by several players, (who, at our request, played various airs), upon several makes of cornets, that the "Conn" cornet, *an American-manufactured instrument*, is the best for finish, ease of action, sweetness of tone and a multitude of points which were verbally and ocularly pointed out to your committee (and which they requested the exhibitor to put in writing). We therefore specially and particularly recommend that Sherman, Clay & Co., exhibitors of C. G. Conn's cornet, be awarded a premium.

*Diploma.*

We also recommend that Geo. Stroh, exhibitor of and *amateur manufacturer* of Banjos, be awarded a premium and more particularly for the following reasons: That he is a blacksmith by trade, and very unpretentious in his exhibit; but the half dozen banjos which we examined and had played for us by experts, were very handsomely finished and second to none in sweetness of tone; besides, the woodwork of each instrument had been made of pieces from the old war-ship, Alaska, now in process of demolition at Point Tiburon, California.

*Bronze Medal.*

We also recommend that Chas. Morrell, for display of Banjos, be awarded,

*Diploma.*

KOHLER & CHASE.—California manufactured Cornets.—These Cornets are very meritorious for finish, tone and design, and especially being a San Francisco manufacture, your committee, without dissent, recommend for them an award.

*Bronze Medal.*

## CLASS 21.

## Vehicles and their Attachments.

## J U R O R S :

W. W. ALLEN,

J. M. LENHART,

S. JACOB,

A. FOLSOM,

M. P. HOLMES.

We, the Jurors in Class 21, recommend the following for awards:

W. LARKINS & Co.—General display of Carriages of California make.

For the best general display.	<i>Gold Medal.</i>
Best Hack.	<i>Silver Medal.</i>
Best Coupe.	<i>Silver Medal.</i>
Best Top Rockaway.	<i>Silver Medal.</i>
Best specimen of Carriage Blacksmithing.	<i>Diploma.</i>
Canopy Top Rockaway.	<i>Honorable Mention.</i>

STUDEBAKER BROS. MANUFACTURING Co.—Display of imported Carriages and Farm Wagons.

For best display of Carriages.	<i>Grand Silver Medal.</i>
Best display of Farm Wagons.	<i>Grand Bronze Medal.</i>

M. J. McCUE.—Display of Carriages of California make.

For best Top Buggy.	<i>Silver Medal.</i>
Best Open Rockaway.	<i>Grand Bronze Medal.</i>
Best Open Buggy.	<i>Silver Medal.</i>
Business Delivery Wagon.	<i>Honorable Mention.</i>

CARVILLE MANUFACTURING Co.—Best Sulky, California make.

*Diploma.*

W. E. SHAW.—Best Village Cart.

*Bronze Medal.*

Best Buggy without paint.

*Silver Medal.*

ROEHM & DAVIDSON.—Display of Carriage Goods.

*Honorable Mention.*

OSBORN & ALEXANDER.—Display of Bicycles and Tricycles. For each

*Bronze Medal.*

DAVID KERR.—Trucks and Wagons of California make.

For best two or four-horse Truck.	<i>Gold Medal.</i>
For best 4 Spring two-seat Wagon.	<i>Silver Medal.</i>

THOMAS MAIER & Co.—Bakery Wagon.

*Diploma.*

R. F. KILLEY.—Open Road Wagon.

*Bronze Medal.*

C. W. BURGTORF.—Road Cart.

*Diploma.*

G. W. HUNTER.—Hitching Catch.

*Honorable Mention.*

BAKER & HAMILTON.—Buckboard.

*Diploma.*

Four Spring Wagon.

*Diploma.*

PREMIUM LIST.

C. J. WILLIS.—Pony Cart.

*Diploma.*

Your committee desire to state in conclusion that they deem Messrs. Kerr, Larkins, Shaw and McCue as especially worthy of great credit for the superior excellence of California manufactured Vehicles in all its branches.

CLASS 22.

Furniture, Upholstery, etc.

JURORS:

J. F. KENNEDY,

COLIN M. BOYD.

Your committee-appointed Jurors in Class 22 beg leave to report the following as the result of their labors:

PACIFIC SPRING AND MATTRESS COMPANY.—General Display of Furniture, Upholstery, etc.

For the best General Display.

*Gold Medal.*

Best Easy Chair.

*Diploma.*

Best Extension Lounge and Sofa Bed.

*Silver Medal.*

Best Spring Bed.

*Bronze Medal.*

B. F. FARRAR.—Best Set of Parlor Furniture, California make.

*Silver Medal.*

Best Metal Spring Bed Bottom.

*Diploma.*

Best Hair Mattress.

*Diploma.*

INDIANAPOLIS FURNITURE Co.—Best Upholstery.

*Silver Medal.*

Best Office Desk.

*Bronze Medal.*

BOLLER FURNITURE Co.—Display of Furniture, Wooden Mantels, etc.

*Silver Medal.*

Bed-Room Furniture Cabinet Mantels.

*Bronze Medal.*

Best Wardrobe and Hat Rack.

*Bronze Medal.*

G. W. CLARK & Co.—Wall Paper, Hanging Curtains, etc.

*Silver Medal.*

Decorative Wall Hangings.

*Bronze Medal.*

Best Display of Wall Paper.

*Bronze Medal.*

Best Window Shades.

*Bronze Medal.*

BURR FOLDING BED Co.—Burr Folding Beds.

*Bronze Medal.*

HEYWOOD BROS. & Co.—Display of Rattan Furniture.

For the best and largest display of Rattan Furniture of new design, and upholstering on the same.

*Grand Silver Medal.*

T. S. CLARK & SON.—Display of Furniture, Bedding, Camp Supplies, etc.

Best Camp Supplies and Household Goods.

*Diploma.*

Best Woven Wire Mattress.

*Diploma.*

C. M. PECK (Royal Pillow Sham Holder Co.)—Pillow Sham Holder.

*Diploma.*

E. H. MARWEDEL.—Brass Bedsteads.	<i>Bronze Medal.</i>
R. F. OSBORNE & Co.—Brass Curtain Poles.	<i>Diploma.</i>
LOCK SPRING MATTRESS Co.—Lock Spring Mattresses.	<i>Diploma.</i>
G. B. STUDLEY.—Fiber Chair Seating.	<i>Diploma.</i>
WAKEFIELD RATTAN Co.—Display of Rattan Goods and Furniture.	<i>Silver Medal.</i>

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## CLASS 23.

## Billiard Tables.

## JURORS:

COLIN M. BOYD,

JOHN F. KENNEDY.

(No Exhibits.)

## CLASS 24.

## Wooden Ware, Brushes, Cooperage, etc.

## JURORS:

A. W. STARBIRD,

A. J. SANBORN,

W. N. MILLER.

Your committee appointed to report on the awards in Class 24, after examination, submit the following report:

H. FORTMAN & Co. (Pacific Brewery).—Brewers' Cooperage.—This consisted of Casks, Beer Kegs, etc., of good workmanship. *Bronze Medal.*

KEYSTONE WRINGER Co.—Wringers, Carpet Sweepers, etc.

Their Carpet Sweeper is adjustable to light or heavy sweeping.

*Diploma.*

C. W. WESTON.—Step-Ladder.

*Honorable Mention.*

MRS. S. M. FENTON.—Dishwasher and Mop.—This device is her own invention, possessing considerable merit, and a useful thing in the household.

*Diploma.*

G. J. FARNSWORTH.—Ice Cream Freezer.—This is claimed as a new invention. The dash being in the center expels the air from the cream, making it even and smooth throughout.

*Diploma.*

WIESTER & Co.—General Display of House Furnishing Goods, principally for the kitchen.—This was the best display.

*Diploma.*

**JOHN F. MYERS & Co.**—Steam Fruit Canner, in operation, called the “Daisy.”—The method of operation is by inserting a jet of steam into the jar, cooking the fruit therein. *Diploma.*

**J. M. CONNOR & Co.**—Patent Kettle with Safety Cover, Improved Egg Beater, and Improved Bread Pans.

For the Kettle and Bread Pan. *Diploma to each.*

**S. M. EVERINGHAM.**—Extension Step-ladder, for store and library use.—A California invention and manufacture. *Silver Medal.*

**BUCHANAN BROS.**—Display of Brushes and Feather Dusters of California manufacture. *Silver Medal.*

**L. H. MOISE.**—Steam Fruit Canner.—This canner can be used in any cooking stove or range, and we believe it to be the most practical on exhibition.

*Diploma.*

**T. A. BYLER.**—Coffee-pot.—This is a patented invention and a meritorious article. *Diploma.*

**COOS BAY STAVE AND LUMBER CO.**—Display of Wooden Ware.—In this exhibit we find nearly everything made of wood used for household purposes. Among them we may mention step-ladders with new device for hinges and fastenings; tubs, pails, water kegs, butter tables and stands, dress-makers' tables, refrigerators and many other useful articles of California manufacture and good workmanship. We consider this display one of unusual merit. The articles being entered too late for competition the only award, allowable under the rules, is *Honorable Mention.*

## CLASS 25.

### Boots, Shoes, Leather, Rubber Goods, etc.

#### JURORS:

FRANK W. SUMNER,

C. L. HASKELL,

M. KENNY.

The several articles in Class No. 25 have been carefully examined, and awards have been recommended as per the memoranda herewith:

**TATUM & BOWEN.**—For a fine exhibit of Eastern Leather Belting.

*Diploma.*

**H. H. KRYGER.**—For a fine exhibit of Eastern Leather Belting, “Hoyt.”

*Silver Medal.*

**FISHER & BURGESS.**—For a fine Horse Collar with a patent clasp.

*Diploma.*

**W. T. Y. SCHENCK.**—For an excellent exhibit of Garden and Fire Hose, a New York patent but of superior quality. *Diploma.*

**L. A. RIESTER.**—For Side Saddles and Saddles of skillful workmanship, the former with some special improvements. *Silver Medal.*

**P. F. McNULTY.**—For the best display of Boots, Shoes, etc., of California make and showing fine workmanship. *Silver Medal.*

**CROPLEY & SON.**—For a general display of well-tanned and finished Leather, California Oak-tanned Stock, viz: Harness, Collar, Kip, Calf, etc. *Silver Medal.*

**H. N. COOK.**—A most excellent display of California Oak-tanned Leather Belting, Bullion Bags, Valises, Harvesting Belts, California Oak-tanned Hose (200 feet) with nozzles; Rawhide Lacing and Rope, etc.—The exhibit of H. N. Cook is most meritorious and very complete, showing the detail of a California product and manufacture. These goods will compare favorably with any from the famous belting houses of the East. A novelty introduced by H. N. Cook is that of the Oak Belting tanned from the sea-lion hides, a valuable and serviceable belt. In view of this handsome exhibit, the jury would recommend the Board of Directors to award H. N. Cook the highest award for the Best General Display of California Tanned Leather Goods, an exhibit which would be a credit to any exhibition. *Grand Silver Medal.*

## CLASS 26.

### Paper, Furs, Wools, etc.

#### JURORS:

C. M. PLUMMER,

JAMES STEVENSON,

C. J. HENDRY.

MR. J. B. HOYT, of Suisun, Solano County, California, exhibited several fleeces of Shropshire Wool, comprising first, second and third crossings with Spanish Merino, one years' growth. This wool is very desirable for carding, combing or delaines. Your committee respectfully recommend an award.

*Diploma.*

MESSRS. L. WALKER & SON, wool merchants and scourers of this city, exhibit samples of wool taken from their warehouse. One sample, very fine, six to seven months' growth, Pure-bred Spanish Merino, fully equal in quality to any on exhibition. Also, samples of graded Merino, samples of Leicestershire crossed with Lincolnshire, and other samples of poor and mixed wools for contrast. They also exhibit several samples of scoured wools, and wools scoured and dyed, and a sample of cotton raised in Merced County, fine fibre, clean and bright. To Messrs. L. Walker & Son, and their influence, we are indebted for almost the entire collection on exhibition, the

State Fair and the excitement in the wool market of this city having diverted wool growers' and dealers' attention in other directions. Your committee most respectfully recommend:

For his General Display.

*Diploma.*

For the best sample of Cotton.

*Silver Medal.*

SAMUEL BLOOM exhibits a sample of scoured wool, clean and bright. Also a lot of unscoured graded Merino.

For the best exhibit of Scoured Wool.

*Diploma.*

SAMUEL HILL, Ventura County, California, exhibits two fleeces from Leicestershire Ewes, twelve months after lambing. Fleece from Leicestershire slightly crossed with Lincolnshire. Also a fleece from a Spanish Merino Buck, of pure blood and long staple. For the fleece of Leicestershire, your committee recommend the award of

*Diploma.*

HENRY P. FLINT, San Buenaventura, Ventura County, California, exhibits twenty-six samples or specimens of graded Spanish Merino Wool, from a flock of two thousand (2,000) sheep. The samples are in a glass case, and cannot be handled; but from their appearance, and the well-known character of the clip from this flock in this market, your committee respectfully recommend the award of

*Diploma.*

B. F. FARRAR exhibits a sample of twenty-five to thirty pounds of Curled Hair, all white or grayish white; he claims it to be superior to any other Curled Hair used in this market, in retaining its elasticity or spring, and this, he claims, is owing to the mode of preparing it. Manufactured in Oakland. Your committee examined it closely, and find it free from vegetable fibre or other adulteration, and cheerfully recommend it for an award of

*Silver Medal.*

THE SAN FRANCISCO CHRONICLE AND THE DAILY EXAMINER each make a fine display of News Printing Paper. Your committee could obtain no certain information that the exhibits, or either of them, were in part or whole of California manufacture; and as it is the practice of both the Publishing Companies to buy their supplies of both Eastern and California manufactories, as it would be most advantageous to them, your committee must most respectfully decline to pass on it.

JULIUS WEYAND, Little Stony, Colusa County, California, exhibits two samples of mohair from doe kids; three samples, one, two and three years old. Six samples from bucks of all ages. Two fleeces pure blood Angora bucks three and four years old. One fleece Angora crossed with three crosses black Spanish. Two fleeces one cross with California goat. Your committee respectfully recommend.

*Diploma.*

FRANK BULLARD, Woodland, Yolo County, California, exhibits about ten fleeces pure bred Spanish merino of about eleven months' growth. For length of staple, firmness, strength and elasticity it merits the first premium. Your committee recommend

*Silver Medal.*

E. W. WOLSEY, Fulton, Sonoma County, California, exhibits several ewes' fleeces pure bred Spanish merino, six months' growth. Also two lamb fleeces, staple short, fine, elastic and strong. Your committee recommend an award.

*Diploma.*

S. P. TAYLOR & Co.—The exhibit of this firm, the pioneer manufacturers of paper on this Coast, has fully maintained their reputation for the excellent quality of their Manila wrapping paper and for paper bags, so widely known and generally used by the business men in this city, and the States and Territories west of the Rocky Mountains; their exhibit comprises nearly all the varieties, sizes and weights in general use, and, in addition, they have on exhibition a superior article of book and tinted printing and blue paper of their own make, the produce of the Geronimo Mills at Taylorville, Marin County, California. It is the judgment of your committee that the book and tinted paper on exhibition, for firmness, strength and surface-finish, is fully equal to any of the same description imported, and we take great pleasure in recommending, that for excellence of manufacture they be awarded

*Grand Silver Medal.*

For best display of Manila Wrapping and Bag Paper. *Silver Medal.*

MESSRS. O'NEIL BROS.—Exhibit of Straw Wrapping Paper, manufactured at their South Coast Mills, at Santa Cruz, California, (S. P. Taylor & Co., agents, of this city), fully maintains its reputation, and your committee respectfully recommend an award.

*Diploma.*

MESSRS. TUBBS & Co.—Exhibit of one hundred coils of cordage, tarred and untarred, and in sizes from a harvesting twine, to a ten-inch cable or hawser. Also a sample each of Manila and Sisal hemp of the kind and quality the cordage is made.

The mechanical execution of spinning and laying of the cordage is admirable, the yarns evenly spun, clean and smooth, and, when laid, presents a rope clean, smooth and pliable, agreeable to the touch and the eye.

This industry, one of the leading and oldest of our city, owned and conducted by some of our most respected and honorable citizens, merits something more than a reference to the mere mechanical part in its manufacture, and your committee set to work to investigate. The result of our inquiries establishes the facts: 1st. That the exhibit is superior in quality and finish to any heretofore made or exhibited in this city. 2d. In the manufacture, no adulteration or inferior articles are introduced or permitted. 3d. It possesses the three most desirable qualities, to wit: textile strength, durability and pliability.

It is true that tarred cordage from Kentucky Hemp is more desirable for some purposes than Manila; but such is not manufactured here.

So well-established is confidence in the manufacture of this firm, that their make of cordage will sell anywhere, without question. Your committee respectfully recommend the highest award.

*Grand Silver Medal.*

MESSRS. H. LIEBES & Co.'s exhibit on the space allotted in the east gallery. This firm have erected a spacious booth, the façade and the walls and ceil-

ing inside lined with furs, the floor covered with mats of goat skin and the skins of fur-bearing animals, from the Royal Bengal Tiger to the Cinnamon Bear and common California Gray Fox and Coyote, all lined and dressed, and most of them with their heads filled out. Stands on the floor, on which are placed the different styles of seal-skin and beaver cloaks, jackets and coats, and to one side the stereotyped Alaska fur seal, the queen of fur-bearing animals, reclining on a lounge, with head erect, apparently watching, with curious eye, the crowd of well-dressed people promenading past, and stopping in front to view the varied and elegant display of rich and costly goods within, the most notable of which are the carriage lap robes, of which there are eight of various styles of make, material or trimming; the body of the robes are fur seal, natural, and also plucked and dyed, beaver plucked and dyed, beaver plucked of natural color, California pole-cat, wolverine, all trimmed and lined. One lap robe is worthy of special mention, the body is heavy beaver, dyed black, surrounded with a wide border of dark otter, through the center of which is a flowering vine, the stem and branches of pale mink, the flowers of ermine; the vine and branches are inserted, not laid on, the center piece and Alaska red fox. Among the exhibit is an albino beaver, pure white, a rare specimen. Your committee have been unable to discover any marked progress in this City or State in the art of plucking or dyeing fur seal, beaver, or land otter. Several individuals and firms have embarked in the business within the past two years with no decided successful results. Most of our seal, beaver and otter manufactured here goes to New York and London, or the continent of Europe to be dyed. Samples of scouring, cleaning and dyeing creditably done. In conclusion, your committee must compliment Messrs. Liebes & Co. on the good taste exhibited in the erection of their booth and arrangement of furs; they come nearer erecting an art gallery for students of natural history than a bazaar for the display of their goods. Your committee recommend the following awards:

For general display of Fur Goods.	<i>Gold Medal.</i>
For general display of Carriage Robes,	<i>Silver Medal.</i>
Special award for one Lap Robe.	<i>Silver Medal.</i>
For Cleaning and Dyeing Furs generally.	<i>Diploma.</i>

## CLASS 27.

### Silk, Woolen and Cotton Goods, etc.

#### JURORS:

C. H. MANN,

ASA R. WELLS.

Your jurors on Class 27 respectfully report:

That they have examined the exhibits of F. Thomas and of the Pacific Cleaning and Dyeing Works of cleaned and dyed articles. That they find both

exhibits to be well worthy of commendatory mention, and that in the judgment of your jurors that of F. Thomas is the best. *Diploma.*

MESSRS. J. SPAULDING & Co.'s exhibit of renovated carpets and rugs, and, in connection therewith, their "Excelsior Cleansing Compound," we find entitled to their claim for the best display of old carpets and rugs cleaned and renovated, and the best preparation and process for renovating carpets, etc. *Diploma.*

T. S. CLARK & Co.—Stair Pads and Lining. *Diploma.*

MESSRS. NEWMAN & LEVISON make an elaborate display of perfectly finished, California manufactured (in their own factory), machine-knitted silk goods in ladies' and gents' underwear, plain knitted. Ladies' fancy open work, silk underwear and hosiery, plain and fancy theatrical goods in silk and wool, and woolen bathing suits. This is the best exhibit of this class of goods. *Silver Medal.*

THE SAN FRANCISCO PIONEER WOOLEN FACTORY is deserving of special mention among our home manufactures because of the excellence of material and perfect finish in manufacture, and the amount of capital and labor employed, directly and indirectly. The flannels and blankets shown here are never excelled if ever equalled in the world's productions. Their display of beavers and police cloth, in pure indigo dye, as well as of cassimeres in plain and fancy patterns, and mixtures for suits and pantaloons, is extensive, elaborate, of superior quality and very noticeable for the good taste displayed in patterns and combination of colors.

Our attention was also attracted to their exhibit, in great variety, of pure wool dress goods for ladies' use, in plaids; very handsome mixtures and patterns and solid plain colors, tricotines, foulés and serges. Of all-wool knit underwear and hosiery this factory displays an assortment of goods that are a credit to the United States. This is the best display of woolen goods in this Exhibition.

For Woolen Goods of home manufacture. *Gold Medal.*

Best Flannel, California make. *Grand Bronze Medal.*

## CLASS 28.

### Gentlemen's Furnishing Goods, etc.

#### JURORS:

GEO. W. YOUNG,

JOHN REID.

J. M. LITCHFIELD.—Military and Naval Goods.—Under this Class Mr. Litchfield presents a large and beautiful exhibit, artistically arranged, making a very attractive display, which well merits the highest award.

Regalias.—The same may be said of his exhibit in this Class as was said in the previous one. *Diploma to each.*

JOE POHEIM displays a very fine line of men's clothing and suitings, entitling him to the first premium in this Class. *Silver Medal.*

WM. SONDERUP.—Skin Clothing.—This being a home industry, the only one on this Coast, we deem it worthy of special mention. We found the garments neatly and substantially made; not only beautiful in appearance but durable. A great credit to the maker and worthy of the premium. *Silver Medal.*

H. W. SCOTT & CO.—Scarf Shields.—This is a very neat device on which to fold or make a scarf. *Too late for competition.*

J. H. KRUGER.—Canes.—This exhibit, though not large, contains quite a variety, some of excellent workmanship. Although the only exhibit in this Class, we think it entitled to the first award. *Bronze Medal.*

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## CLASS 29.

### Ladies' Furnishing Goods, Millinery, etc.

#### JURORS:

MRS. D. S. DORN,

MRS. C. H. MANN.

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We, the jurors of the above Class, having carefully examined the different exhibits, respectfully submit the following report:

FREUD & SONS.—Corsets, Bustles, etc.—This is as fine a display of corsets as we have ever examined; the arrangement is beautiful, and the make and material are excellent. Every style of bustle is also displayed. The exhibit is in every way creditable to the well-known firm. *Silver Medal.*

KELLY BROS.—Corsets.—These we consider are the best fitting, most comfortable and durable corsets that are manufactured; the cheap, as well as the more expensive ones, are well made and perfect, the only difference being in the outside material. The arrangement of side springs makes it impossible for the steel and bones to break. *Bronze Medal.*

MRS. SOPHIE GEHRET.—Corsets, Corset Strings and Steel.—These corsets are unnatural and ungraceful, although made of fine material. The display could be much improved another year. *Diploma.*

MRS. K. M. STEWART.—Millinery.—This is, without doubt, a very beautiful and tasteful exhibit; the work, which was all done by the lady herself, is very neat; the material is fine, and the plumes and ornaments handsome.

For the finest display of Millinery. *Silver Medal.*

P. F. BUTLER.—Millinery.—The bonnets in this exhibit are very beautiful, and of new and handsome design. For fine display of bonnets we recommend a *Silver Medal.*

A. J. BALNEY.—Ostrich and Fancy Feathers.—This display is not equal to the previous exhibits made by this gentleman. The feathers are by no means fine, and the arrangement, though pretty, is the same as last year.

*Diploma.*

DAVIDSON, SHUSTER & Co.—Dress-Cutting Apparatus.—We recommend this system as at once simple and perfect in its results.

*Diploma.*

MRS. S. TREGALLAS.—Dress Making.—Several paper dresses and basques illustrating the above system. The figures are very good.

*Diploma.*

W. M. LOUDEN.—Studebaker's Tailors' Squares and Adjustable Dress Forms.—We have thoroughly examined the Tailors' Square and recommend an award. The adjustable Dress Forms are decidedly very ingenious, and a great improvement on the old form. The adjustment is simple.

*Diploma to each.*

T. F. HAGERTY.—Button Holes, Machine-made.—These are beautiful button holes, the stitch being regular, and the working good.

*Diploma.*

E. J. WHITMAN.—Ironing Board and Pressing Frame.—An ingenious and very convenient article, which meets a long-felt want.

*Silver Medal.*

J. LEVINSON.—Embroidery Frame.—This is a great improvement on the old style frame; it holds the work securely and evenly, and is not only a convenient but a pretty article of furniture.

*Diploma.*

MRS. JOS. SEXTON.—California Palm Work.—This industry should be encouraged; the few articles exhibited show what could be done in this line. The whole exhibit is neat and tasteful, although there is much room for improvement.

*Diploma.*

AUGUST KREMPSER.—Plush and Leather Fancy Goods.—These are very pretty, and finely manufactured goods.

*Diploma.*

E. W. DITTMAN.—Leather Goods.—This gentleman assured the committee that he was there "simply for profit, not for glory."

*Diploma.*

JOHN F. SNOW.—Refinished Crepe.—The merit of this work is widely known, and certainly deserves a

*Diploma.*

MISS NETTIE BULLION.—String of Buttons.

MASTER L. E. FISH.—String of Buttons.

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We beg leave to advise that a small prize or premium be offered and advertised for a collection of some kind, or work of some description made by school children; the object would be to do away partly with the old and time-honored collection of buttons.

## CLASS 30.

## Tobacco.

JURORS:

F. A. WATERHOUSE,

MICAH DOANE.

MRS. C. MURRAY.—Turkish Tobacco and Manufacture of Latakia Cigars.—The cigars exhibited by her are manufactured of Havana tobacco as a basis, with the addition of a small quantity of Turkish tobacco, which gives them the name of "Latakia Cigar." This lady has established a school for the instruction of girls in the manufacture of cigars. Herself being a practical cigar maker, is fully competent to give instruction in the art. The cigars exhibited have the appearance of being first-class in all respects. We recommend an award for the best display of Latakia, California-made cigars.

*Silver Medal.*

SONOMA Co.—Leaf Tobacco.—This County makes a small display of leaf tobacco, but we are unable to give any opinion of its quality. The leaves are large and look well.

*Silver Medal.*

QUIGLEY & Son.—Cigarettes and Smoking Tobacco.—From what we could see through a glass case, we should judge them of good quality.

For Fine-Cut and Smoking Tobacco.

*Diploma.*

For Cigarettes, California make.

*Bronze Medal.*

## CLASS 31.

## Chemical and Pharmaceutical Products.

JURORS:

E. W. HILGARD,

WM. N. KIETH,

A. WASON,

J. H. EDWARDS,

CHAS. P. FONDA.

Your committee appointed to examine Class No. 31, respectfully submit the following report:

It is with feelings of pride and satisfaction that the Californian views the natural productions of his State, or examines with the criticism of education and experience the work of inventors and manufacturers of the Golden West. Our paints, oils, lubricants, perfumes, soaps, and articles designed for domestic use and for consumption in food, are very superior productions. In this respect, particularly, do the displays of the present exhibition demonstrate the progress made in the past few years. Not many years ago the entire Pacific Slope depended upon the East and Europe for all articles

indispensable for the toilet or the epicure's table, not to speak of the machinery, tools and other appliances peculiar to the mechanical arts. Such is no longer the case.

With a natural production rivalling that of any country of the same area in the world, with an adaptability unequalled for the adopting and making its own the native productions of other climes, California can, and does produce articles of superior quality. Wherever trade is established our manufacturers and productions are sure to go. Right here must be denounced the foolish practice of patronizing a foreign article in preference to the home ones. By this high prices are demanded for imported goods, while our own manufacturers try to undersell them, which often results in an inferior as well as a cheaper article. Censure must also fall upon such manufacturers who are thus willing to depreciate their goods, to barter the credit of their State for the sake of quick profits. While outward appearances may be deceptive, yet it cannot be denied that they go far to establish a claim for merit, and if subsequent examination substantiates the favorable impressions, probability has only yielded to certainty. The day of clumsy, lumbering constructions of intricate articles is done. Whatever simplifies labor renders more certain the result of any attempted work, lightens household duties, or adds attractiveness to strength and durability, contributes just so much to human happiness. Beauty, simplicity and utility are the three graces in the industrial as well as in the fine arts; and even when a manufacturer presents his productions in the most attractive form, or an exhibitor has beautified his display with all the resources at his command, each deserves the praise and appreciation of all who gaze upon his work.

Your committee examined carefully the exhibits on their list, and have endeavored to make conscientious awards. We have refrained from reporting on anything when the formula of its preparation was unknown, or the exhibitor declined to give the required information. We recommend the following awards:

GEO. C. THOMPSON & Co.—Soda Water. *Silver Medal.*

DOWNING & SCHMIDT.—Display of Murray and Lanman's Florida Water. *Diploma.*

JAMES G. ALLEN.—General display of Dixon's Lead Pencils, Blacking, Crucibles and Stove Polish. *Diploma.*

WESTERN PERFUMERY Co.—Perfumes and Toilet Articles.—This firm have a large establishment for the manufacture of Peck's Perfumery and Toilet Waters. Peck's Premium Cologne equals, if not excels, anything we receive from the Eastern States or Europe.

Best display of Perfumery. *Silver Medal.*

STANDARD SOAP COMPANY.—General display of Toilet and Staple Soaps, Perfumery and Toilet Articles.—The soaps manufactured by this company are very fine, especially those bearing the name of F. Bazin, which are of a very superior quality. We recommend the highest award. The perfumes and extracts bearing the above name of Bazin made a fine display, and we recommend an award.

For best display and Assortment of Soaps.	<i>Gold Medal.</i>
For best Toilet Soaps.	<i>Silver Medal.</i>
Best display of Staple Soaps.	<i>Bronze Medal.</i>
Display of Perfumes and Extracts.	<i>Diploma.</i>
BOTHIN MANUFACTURING Co.—Greer's California Perfumes.	<i>Diploma.</i>
Jos. N. SOUTHER & Co.—Abernethy's Green Ginger Brandy and Flavoring Extracts.	

## REPORT OF A CHEMICAL ANALYSIS.

" I have very carefully analyzed the contents of the sample left with me for that purpose, labelled DR. ABERNETHY'S GREEN GINGER BRANDY, and find all its ingredients to be of the very best quality, quite free from fusel oil or other deleterious matter; its flavor excellent, and, of resinous matter, a trace only. It can be safely recommended whenever the use of a preparation of ginger is indicated.

" San Francisco, Oct. 25, 1880.

" JNO. J. BLEASDALE, D. D.,  
" Analytical Chemist."

We endorse the above analysis.

For Green Ginger Brandy.	<i>Diploma.</i>
For Flavoring Extracts.	<i>Diploma.</i>

F. P. HOOPER.—Tolena's Mineral Water.—We find this water remarkably agreeable to the taste, as an effervescent drink, and believe it possesses some medicinal efficacy.

*Diploma.*

C. W. COBURN & Co.—Linseed Oil, Enoch Morgan Sons & Co's Sapolio and Olive Oil.—This Sapolio is a soap charged with polishing or scouring powder, which greatly increases its efficacy for purposes that require mechanical abrasion in addition to that of soap. The olive oil is from Quito Farm, Santa Clara County, and of superior quality.

For Sapolio.	<i>Silver Medal.</i>
For Olive Oil.	<i>Silver Medal.</i>

UNIVERSITY OF CALIFORNIA.—Camphor.—This sample was made by Professor Hilgard from the twigs and leaves of a camphor tree, grown by Mr. E. Wickson at Berkeley. It is among the exhibits of the College of Agriculture, and deserves mention as being probably the second and at the same time the largest sample of the article thus far made in the United States.

*Diploma.*

A. F. EVANS.—Scourine.—This is a composition similar to Sapolio, and useful for similar purposes. Should not be recommended for cleaning carpets, or surgical instruments of the fine class.

*Diploma.*

L. H. MOISE.—Matchless Metal Polish.—This is a composition well devised for cleaning and polishing the finer classes of metal ware.

*Diploma.*

STOVE POLISH.—Of this we have two good exhibits, one the Imperial, by the Pacific Graphic Co., the other by the well-known Dixon, exhibited by J. G. Allen. By comparing the two, we find that the Imperial contains

16 6-10 % of very fine light ash, against 35 5-10 % in the Dixon's, thus giving the former an advantage of 19 % more plumbago, the essential substance for the purpose for which it is intended. In view of this high quality, we recommend an award to the Imperial. *Silver Medal.*

HENRY LAKE.—Shoe Blacking.—This is of California manufacture, and of excellent quality. *Silver Medal.*

FORBES & PLAISTED.—Castilian Mineral Water.

Wm. HAWVER.—Water of Life.—The above two waters are much alike in taste and composition, not unlike that of the well-known Blue Lick Water. *Diploma to each.*

A. F. EVANS & Co.—Lactart, Appolinaris Water, Hunyadijanos, Hathorne Water from Saratoga Springs.—The preparation of Lactart is what it claims to be, a chemically-pure solution of lactic acid, with only a small residual amount of lime and alkali. As such it can doubtless be used with great advantage in place of other acids, such as citric or tartaric, in the preparation of acidulous beverages, since lactic acid is one of the natural solvents of food, active in healthy digestion, and imparts the grateful and refreshing taste to buttermilk and clabber.

H. B. BIRNBAUM.—Roman Spa Mineral Water.

PARAFFIN PAINT Co.—P. and B. Paint, Water-proof Paper and Cloth, and Perfection Axle Grease.—This paint is made from crude paraffin obtained in Ventura County, and is an inodorous, flexible, water-proof, and indestructible preparation, even under the influence of salt fogs. Among the lubricants, we consider the Perfection Axle Grease, which is a combination of oil and a high quality of plumbago, the best article placed before us.

For the Paint and Cloth. *Silver Medal.*

For the best Lubricant. *Silver Medal.*

HUETER BROS. & Co.—Display of Varnishes and Gums. *Silver Medal.*

WESTERN PERFUMERY Co.—Crown Flavoring Extracts and Crown Celery Salt.—The odor and flavor of this salt equals fresh celery, and we recommend an award for its superior quality. *Silver Medal.*

W. T. COLEMAN & Co.—Display of Candles from the S. F. Candle Co. *Silver Medal.*

E. M. WILSON.—Inhaler.

B. F. WELLINGTON.—Wellington's Improved Egg Food. *Diploma.*

G. G. WICKSON.—Imperial Egg Food. *Diploma.*

CALIFORNIA GLUE WORKS (M. Holje).—Glue and Neat's-foot Oil, California make.—We recommend the highest award for this fine display and quality of glues; they have been severely tested, and we find them stronger than the best imported, and retain their good quality and odor after exhaustive tests. They are equal in color to the best imported brands.

For best Glue. *Grand Silver Medal.*

For Neat's-foot Oil. *Diploma.*

**HARRISON HOPPER.**--Lubricating Oil.--This oil was used on the engine and machinery of the Fair, and gave satisfaction. *Diploma.*

**CELERY, BEEF AND IRON EXTRACT CO.**--Exhibit of Celery, Beef and Iron. *Diploma.*

**GIANT POWDER COMPANY**--Giant Powder, Judson Powder and Explosive Gelatine.--In order to obtain an insight into the manufacture and effects of these explosives, a portion of the committee visited the works of the Company at West Berkeley, in accordance with invitation. After inspection of the workshops and the successive processes of manufacture, experiments showing the relative force of the several explosives were witnessed with much interest. This force is shown and measured with sufficient accuracy for practical purposes by the compression of a frustum of soft lead which is flattened out into discs of greater or less thickness according to the grade of the explosive. The committee was much impressed by the accuracy of this grading, as shown by the regular succession of the diameters of the lead discs.

It was noted by one of the members who visited the works some years ago, when on the same committee, that great improvements have since been made, both in the composition and the manufacture of the several explosives: in the invention of a new one, (the explosive gelatine and its combinations with giant powder proper), in the completeness of the grading, and in the safe handling of these high explosives. Not less important is their adaptation to new uses quite outside of the province of the miner, such as the blowing out of stumps from newly-cleared land, the making of holes and shattering of the subsoil in tree-planting, and similar uses in the arts of peace by which a large amount of hand labor is saved. We were specially struck with the merits of Judson powder, in that it combines the shattering effects of dynamite with the disrupting ones of black powder, in the most widely effective manner.

In view of the great importance of this industry and of the steady improvements shown as time progresses, we recommend an award to the Giant Powder Company for its Explosives. *Grand Silver Medal.*

## CLASS 32.

### Geology, Zoology, Botany, etc.

#### JURORS:

W. D. JOHNSON, M. D.,

AUG. LAVER,

PROF. W. B. RISING.

We offer the following in regard to this Class, and regret the paucity and showing of exhibits that properly belong in this division.

THOMAS MORTON.—Display of Pacific Coast Coals. *Silver Medal.*

A. DOHRMAN.—Display of Minerals.—This was the finest and most valuable display ever made at the Fairs of this city, and well worthy of the highest award. *Gold Medal.*

THOMAS HILDRETH.—Gold Specimens from Fresno. *Silver Medal.*

THOMAS HATCH.—Collection of Native and Foreign Woods.—This fine display covered a wall space 20x60 feet, and is well worthy of the highest award. We would urge this, not only on account of its great merit, but in view of the vast amount of personal labor he has expended upon his exhibit, and in consideration of the fact that he will derive little if any personal advantage from his effort to make a creditable showing in his department. (See Class 19). *Gold Medal.*

D. C. SCOTT, VENTURA Co.—Crude and Refined Petroleum. *Silver Medal.*

R. S. FALCONER.—Natural Curiosity.—A Moose's Head. *Silver Medal.*

DESERET CRYSTAL SALT Co.—Pure Salt, from White Plains, Nevada.

*Diploma.*

### CLASS 33.

#### Groceries, Meats, Canned Goods, etc.

##### JURORS:

H. H. PIERSON,

D. R. PROVOST,

F. B. REYNOLDS.

The undersigned jurors in the above Class recommend the following:

L. G. SRESOVICH & Co.—Dessicated Cocoanut.—This display we consider the finest of that class of exhibits. *Silver Medal.*

J. T. CUTTING & Co.—Display of Germea, Zeatine, Liston's Extracts of Chicken, Beef, Bouillon, etc.—These extracts are something new on this coast, and very fine, for which we recommend an award.

For Germea and Zeatine. *Diploma to each.*

THOMAS CLARK & Co.—Mill Products.

*Honorable Mention.*

W. A. PETTIPJOHN.—Breakfast Gem.

*Diploma.*

GEORGE HAAS.—Display of Confectionery.

*Silver Medal.*

MRS. L. F. DODDER.—German Pickles.

*Diploma.*

H. B. BIRNBAUM.—Cibil's Extract of Beef.

*Diploma.*

DEMING PALMER MILLING Co.—General Display of Milling Products, Steel-Cut Oat Meal, Ground Oat Meal, Buckwheat, Graham, Rice Flour, Corn (Yellow) and Wheat Meal, Pearl Barley, Flake Pearl Wheat, Patent

**Roller Wheat Flour, etc.**--This display is an exceptionally fine one, and we unanimously recommend a first premium for best general display.

For best display of Flour.	<i>Silver Medal.</i>
Best Corn Meal and Buckwheat Flour.	<i>Diploma.</i>
Best display of Farinaceous Articles.	<i>Diploma.</i>
Flake Pearled Wheat.	<i>Diploma.</i>
Steel-Cut Oat Meal.	<i>Diploma.</i>

**SPERRY & Co.**--Display of Flour, (Patent Roller Process).--This exhibit came in too late for competition, but is deserving of favorable mention.

## CLASS 34.

### Wines and Brandies.

#### JURORS:

W.M. IRELAN, JR.,	F. B. REYNOLDS,
A. W. SCOTT,	A. J. BRYANT,
C. P. GORDON.	

Your committee, appointed to examine articles included in the above Class, beg leave to report as follows:

The display of California Wines and Liquors is very creditable, and shows that Wine Growers are awakening to the advantage which this opportunity presents for bringing their products to the notice of the public.

**E. J. BALDWIN.**--General display of Wines and Brandies.

For the finest General Display.	<i>Gold Medal.</i>
Finest Red Burgundy.	<i>Diploma.</i>
Finest Zinfandel Claret.	<i>Diploma.</i>
Finest New Brandy, distilled subsequent to January, 1883.	<i>Diploma.</i>
Finest Old Brandy.	<i>Diploma.</i>

**J. GUNDLACH & Co.**--Display of California Wines.

Finest Burgundy.	<i>Diploma.</i>
Finest White Wine, Rhenish Type	<i>Diploma.</i>
Finest Port Wine.	<i>Diploma.</i>
Finest Matero Claret.	<i>Diploma.</i>
Finest Tokay.	<i>Diploma.</i>

**ARPAD HARASZTHY & Co.**--Display of California Wines and Champagnes.

For the Finest Champagne, California make, Eclipse Dry.

	<i>Silver Medal.</i>
Finest Sauterne.	<i>Diploma.</i>
Finest Malaga.	<i>Diploma.</i>
Finest Angelica.	<i>Diploma.</i>
Finest Muscatel.	<i>Diploma.</i>
Finest Madeira.	<i>Diploma.</i>
Finest Brandy, not less than 4 years old.	<i>Diploma.</i>

J. MATHEWS.--Sherry Wine, from the Lisbon Winery, Napa.	<i>Diploma.</i>
J. H. DRUMMOND.--Display of California Wines.	
Finest Reisling.	<i>Diploma.</i>
Finest Red Wine, Claret Type.	<i>Diploma.</i>
Finest Gutedel.	<i>Diploma.</i>

ROBERT BARTON, FRESNO.—Burger Wine.—We have been unable to classify this wine under any of the heads included in this Class, but consider it the best white wine presented for our consideration, and therefore recommend to the Managers the highest award for this wine. *Diploma.*

A. F. EVANS & Co.--Imported Champagnes ("Mumm's,") and Mineral Waters.—For Display. *Silver Medal.*

## CLASS 35.

### Fermented Products.

#### JURORS:

W.M. IRELAN,  
A.J. BRYANT,

F. B. REYNOLDS.

C. P. GORDON,  
A. W. SCOTT,

After a careful examination, we recommend for awards the following:

A. FENKHAUSEN.—Display of Whisky, "White Rye." *Silver Medal.*

NATIONAL BREWING Co.—Lager Beer.—For finest lager beer, first premium. *Silver Medal.*

FREDERICKSBURG BREWING Co.—Fredericksburg Beer.—For finest export lager beer. *Silver Medal.*

WINCHESTER DISTILLING Co.—Rutland Sour Mash Whiskey.—For best whisky. *Diploma.*

BURNELL & TURNER.—Display of Albion Ale and Porter.—For finest California Ale. *Silver Medal.*

    Finest California Porter. *Diploma.*

## CLASS 36.

### Printing, Lithography, etc.

#### JURORS:

W. M. HINTON,

B. F. STERETT.

The jurors in Class 36 have examined all exhibits in said Class and recommend an award to W. M. Cubery for the best (and only) samples of printed cards. *Diploma.*

## CLASS 37.

**Gold, Silver and Plated Ware, Clocks, Watches, etc.**

## JURORS:

A. W. SCOTT,

H. MOLINEUX.

After examination, we submit the following:

SAN FRANCISCO PLATING WORKS.—Silver and Nickel-Plated Ware.

W. E. SHEPMAN.—Gold and Silver Plated Ware.

Between the cases of silver-plated ware of the above exhibits we can make no discrimination, both being of equal merit. The samples of nickel-plated ware are good, and deserving of an award.

To SAN FRANCISCO PLATING WORKS.—For Silver Plated Ware.

*Silver Medal.*

For Nickel Plating.

*Diploma.*

W. E. CHAPMAN.—For Silver-Plated Ware.

*Silver Medal.*

ARTHUR O. GOTTL.—Workmanship in Watchmaking.

*Diploma.*

A. GARTANLAUB.—French Quartz Diamonds.—We have examined this exhibition, and have no reason to suppose the so-called Quartz Diamonds differ in composition from other false stones, the basis of all such being glass. We know your Honorable Board will agree with us, that one of the chief objects of our Mechanics' Institute and its Fairs, is to educate its members and visitors to a higher standard of excellence, in appreciating the beautiful and true in science, manufactures and art; this object, we respectfully insist, cannot be attained by encouraging the display of such articles as this exhibition contains, and must therefore decline to recommend an award.

R. BUJANNOFF.—Gold, Diamond and Pearl Jewelry.—We have great pleasure in recommending an award to this meritorious exhibition, apart from its intrinsic value, (only real stones and precious metals being used). The articles displayed evince artistic and skilled workmanship. Believing the jewelry manufacturers of this coast should receive every possible encouragement to compete at future exhibitions.

*Grand Silver Medal.*

Of the other articles exhibited in this class, we find none worthy of any special mention.

## CLASS 38.

**Scientific Apparatus, etc.**

## J U R O R S :

PROF. GEORGE DAVIDSON,

CHARLES ELLIOT,

CHAS. G. YALE.

Your committee on awards in Class 38, beg leave to report as follows:

**CALIFORNIA ELECTRIC LIGHT Co.—Artificial Illuminating Apparatus.**

For best General Display. *Grand Silver Medal.*

**PACIFIC COAST ELECTRICAL CONSTRUCTION Co.—Dynamo-Electric Machine and Lights.**—The Keith Dynamo exhibited by this Company is of California design and manufacture.

For Dynamos and Electric Motor. *Grand Silver Medal.*

**ELECTRICAL SUPPLY Co.—Display of Electrical Apparatus.**

For Display. *Bronze Medal.*

Best Galvanometer Rheostat and Key in one case. *Bronze Medal.*

**CALIFORNIA ELECTRICAL WORKS.—Display of Electrical Apparatus.**

For Display. *Silver Medal.*

For Automatic Fire Alarm Apparatus. *Bronze Medal.*

Burglar Alarm Apparatus. *Diploma.*

**PAUL SEILER.—Electrical Hotel Annunciator.**

*Bronze Medal.*

**JOHN ROACH.—Surveying, Astronomical, and other Instruments of California make.** *Grand Silver Medal.*

**LOUIS WEULE.—Astronomical Clock.**—This clock is of superior workmanship, and made wholly from raw material; it was made in this city, and is the finest instrument of precision in the exhibit. We recommend the highest award. *Gold Medal.*

**A. LEITZ & Co.—Surveying and Astronomical Instruments.**—We recommend an award for a level of good design and workmanship, and workmanship in other instruments exhibited. *Bronze Medal.*

**THOMAS TENNENT.—Artificial Horizon for Sextant.** *Diploma.*

**JOHN TAYLOR & Co.—Display of Assaying Apparatus.** *Bronze Medal.*

**GEORGE B. BAYLEY.—Pacific Incubator.**—For the best Incubator.

*Silver Medal.*

We propose to file a fuller report giving more in detail our views on the various exhibits.

The Management regret that the concluding part of the above report was not carried out, as the exhibits deserve a more extended notice.

## CLASS 39.

**Medical, Surgical and Dental Instruments and Appliances.**

## J U R O R S :

CHARLES E. BLAKE,

HENRY GIBBONS, JR.

The jury, to whom was referred the exhibits under Class 39, offer the following report:

G. W. LEEK.—Best Specimens of Dentistry. *Bronze Medal.*

W.M. BEEMAN.—For Best Artificial Limbs. California make.

*Silver Medal.*

THE ACME BATH MANUFACTURING Co.—For best display of apparatus whereby hot air, vapor, medicated and electric baths can be used at home.

*Diploma.*

H. A. MATTHEWS.—Best display of Audiphones. *Diploma.*

DR. BENJAMIN MARSHALL.—For the most simple yet most strong, convenient and comfortable Operating Lounges. *Silver Medal.*

In the matter of Trusses, science has demonstrated that retention is essential, comfort necessary, and, as a concomitant, probable, permanent cure most desirable. After examining many forms of trusses, the I X L Elastic Truss seems to your committee to come nearer fulfilling these requisites than any we have ever examined, and being a Californian invention we desire to express our approbation of it most strongly, and recommend the award of such premium to its inventor, A. A. McLean, as may seem to your Honorable Board most fitting. *Bronze Medal.*

## CLASS 40.

**Embroidery, Needlework, Hairwork, etc.**

## J U R O R S :

MRS. A. M. JEWELL,

MRS. HELEN POTTER.

We, the jurors in Class 40, submit the following recommendations:

MARTHA PHOITES.—Embroidered Table Cover. *Diploma.*

MRS. ELIZA O. ROEBUCK.—Silk Quilt. *Diploma.*

VENTURA COUNTY.—Lace Work, Tapestry Pictures, Fern Work, etc. *Diploma.*

MRS. JULIA GARRICK.—Lace Bed Spread. *Diploma.*

MISS TILLIE ANDERSON.—Hair Work.	
BERTHA ALTMAN.—Embroidered Picture and Lace Pillow Sham.	Diploma.
MISS KATIE THOMPSON.—Lace Bedroom Set.	Diploma.
MISS NELLIE HUGHES.—Calico Patch Quilt.	Diploma.
MISS ANITA ALGER.—Embroidery.	Diploma.
MRS. N. E. BOYD.—Patent Pins.	Favorable Mention.
MISS DORA WOODS.—Crazy Quilt.	Diploma.
MRS. G. A. CASH.—Crochet Spread.	Diploma.
MRS. E. CLAYMORE.—Tapestry Pictures.	Diploma.
MISS MAGGIE BUTTE.—Lace Work.—This exhibit is very fine and deserving of great credit.	Silver Medal.
MRS. FRANK BRADLEY.—Crazy Quilt and Pillow Shams.	Diploma.
MISS ELLIOTT McDONALD.—Fire Screen.	Diploma.
MRS. P. S. BLACKMAN.—Embroidery.	Diploma.
MRS. E. S. BROWN.—Prepared Ferns.	Diploma.
BUFORD FREE KINDERGARTEN.—Fancy Work.	Diploma.
MRS. PAULINE E. HENN.—Kensington, Chenille, Arrasene and Silk Embroidery, Ribbon Work, etc.—The work of this lady is simply elegant; in fact there is no other work of this kind in the Fair that can compare with it. We therefore recommend it for the first prize.	Silver Medal.
NEWMAN & LEVINSON.—Embroidery, Arrasene, Filloselle, Ribbosene, etc.—A large and very fine display.	Diploma.
MRS. S. H. PARSONS.—Silk Plush Quilt.	Diploma.
MRS. J. F. BOLTS.—Dressed Pictures.	Diploma.
MISS KATIE HEFFERNAN.—Log Cabin Quilt.	Diploma.
MADAME PERRAULT.—Quilt Patchwork.	Diploma.
MISS A. M. FAVOR.—Fancy Needlework.	Diploma.
MRS. W. D. FORREST.—Embroidered Silk Quilt.	Diploma.
MRS. TERESA CORNETTE.—Skeleton Leaves.	Diploma.
MRS. CORRINE COLLINS.—Piano Scarf and Screen.	Diploma.
JENNIE FERRIS.—Bed Spread and Pillow Sham.	Diploma.
MRS. CHAS. STONE.—Embroidered Plaque and Fan, Oriental Work.	Diploma.
MRS. J. HITZ.—Curios, Shells, etc.	Diploma.
WM. SPILLING.—Work Basket and Stand made of rope.	Diploma.
CHAS. PEAKE & Co.—Turkish Rugs, Rug Machines, Embroidery Frame.	Diploma.
MRS. H. STETTIN.—Linen Embroidery.	Diploma.
MISS EMILIE HORSTMAN.—Lace Spread.	Diploma.

MRS. P. D. BERNHARD.—Lace Work.	<i>Diploma.</i>
MISS J. ADDISON SMITH.—Arrasene Embroidery and Raised Work.	<i>Diploma.</i>
MISS M. KING.—Wax Flowers.	<i>Diploma.</i>
T. B. ANTHONY.—Japanese Embroidery, Cock and Hen.	<i>Diploma.</i>
MISS SOPHIE WAISS.—Best Crochet Quilt.	<i>Diploma.</i>
N. W. ROUNTREE.—Kensington Quilt.	<i>Diploma.</i>
MRS. C. M. CARLSON.—Arrasene, Chenille, Kensington, Filloselle, Ribbosene, Plush Work, etc.—Very fine display, for which we recommend	<i>Bronze Medal.</i>
MRS. E. P. FOSTER.—Palm Basket.	<i>Diploma.</i>
YOUNG WOMEN'S CHRISTIAN TEMPERANCE UNION.—Decorated Booth and Temperance Work.	<i>Diploma.</i>
MISS H. DEDERKEY.—Hand-Knitted Bed Spread.	<i>Diploma.</i>
MRS. G. D. COPELAND.—Fern Wreath.	

## CLASS 41.

## Paintings in Oil and Water Colors.

## JURORS:

T. J. BLAKENEY,

C. S. SCUDDER,

DR. BENJAMIN MARSHALL.

In accordance with your request, we have acted as jurors in Class 41, and beg leave to submit the following report:

We find that there are 487 pictures in our department, as per catalogue enclosed; of this number there are 69 of sufficient merit to deserve consideration in the matter of distributing prizes, and have awarded the sum placed at our disposal in the following manner:

Norton Bush, \$15; S. M. Brooks, \$25; Chas. J. Carlson, \$3; J. G. Noer, \$2; C. A. De Laubmire, \$10; Virgil Williams, \$15; W. A. Coulter, \$5; Matilda Lotz, \$10; E. A. Rockwell, \$5; A. B. Chittendon, \$30; Thomas Hill, \$75; A. E. Rogers, \$1; R. D. Yelland, \$20; Arthur Nahl, \$15; Henry Bouillier, \$15; M. Straus, \$15; F. L. Heath, \$12; Oscar Kunath, \$35; M. E. Jones, \$1; John A. Stanton, \$5; L. Roethe, \$12; Carl Von Perbandt, \$25; Mrs. M. E. Evans, \$25; Henry Raschen, \$25; G. J. Denny, \$15; Nellie E. Burrell, \$20; Carl Dahlgren, \$2; Mrs. Wm. Irelan, \$10; A. C. Rodriguez, \$5; J. B. Wandesforde, \$25; Miss S. E. Sroufe, \$10; Mrs. M. E. Fountain, \$3; Felicite Fortier, \$2; Miss Bartholomew, \$5; Rosa F. Lewis, \$3; Mrs. F. A. Fish, \$3; H. R. Hopps, \$5; J. R. Lafontaine, \$3; L. P. Latimer, \$3; C.

R. Peters, \$1; Nellie Hopps, \$5; E. Narjot, \$25; Mrs. M. Oviatt, \$1; Chris. Jorgensen, \$25; W. Harring, \$5; Mrs. Virgil Williams, \$10; Madame de L'Aubinière, \$12; Jos. H. Hecht, \$3; Clara J. McChesney, \$5; M. C. Richardson, \$2; J. R. Dickinson, \$2; Annie Blakeslee, \$5; Pauline Grandjean, \$5; Geo. H. Burgess, \$7; C. V. Cappalletti, \$8; Miss E. Stallman, \$1; Kate M. Bessinger, \$1; Mrs. L. C. Kelly, \$1; Mrs. J. E. Brown, \$5; Miss S. E. Bender, \$3; Mrs. Bracket, \$3; A. E. Wilson, \$1; M. Dent, \$1; Ida White, \$2; Mrs. Bennett, \$3; Mrs. C. W. Farnam, \$2; K. C. Thompson, \$1; Mrs. W. F. Ross, \$2; Mrs. M. Body, \$2; S. W. Shaw, \$8; James Walker, \$8.

In addition to the above, we feel it to be due to the exhibitors that something else than a money consideration should be offered to those who have excelled in their especial department. We therefore honorably mention, for Landscapes, Thomas Hill; for Portraits, Mrs. M. E. Evans; General Painting, Oscar Kunath; for Still Life, S. M. Brookes; for Flowers, Alice B. Crittenden; for Water Colors, Chris. Jorgensen.

It is the unanimous opinion of your committee, that the display in the Art Department of the Institute would be much more attractive and satisfactory were a rule established, requiring all paintings offered for exhibition to be passed upon by a discreet hanging committee, having authority to reject any and all such work, either because of objectionable subjects, or failure to equal a fixed standard of merit. The contribution of amateurs should be judged and displayed separately from those of professional artists. Such an arrangement would admit not only of a more satisfactory hanging of pictures entitled to places in the gallery, but would also greatly improve the general character of the exhibition. The crowding of pictures on the walls, without apparent reference to the effect of violent contrasts (oftentimes most damaging to the display of meritorious work), is, in our opinion, a mistaken policy, and should be corrected. There can be no doubt that the general effect of the display in the gallery, as well as the attractiveness of individual pieces, would be much enhanced by more discriminate groupings and greater space between the different works. There are, in the present exhibition, many paintings of merit, which deserve to be separated from surrounding inharmonious conditions, and suitably draped.

## CLASS 42.

### Ceramic Art:

#### JURORS:

MRS. WILL H. VOORHEES,

MRS. H. C. BUNKER,

R. G. MAYO.

We, your jurors on Class 42, at this, the Twentieth Exhibition, beg leave to report that we have carefully and critically examined all exhibits brought to our notice in this Class, and recommend that you make awards to the following-named exhibitors

- MRS. F. A. FISH.—Collection of Specimens of Ceramic Art. *Silver Medal.*
- MRS. TERESA CORLETTE.—Best Specimen of Painting on Pottery, not less than twelve pieces. *Bronze Medal.*
- MRS. WM. IRELAN.—Best Single Specimen of Painting on Pottery. *Bronze Medal.*
- MRS. HELEN BRODT.—Best Specimen of Painting on Porcelain, by a professional, not less than twelve pieces. *Bronze Medal.*
- MISS HATTIE PARISH.—Best Specimen of Painting on Porcelain by a local amateur, not less than 12 pieces, very fine. *Bronze Medal.*
- MRS. N. E. BOYD.—Best Collection of Decorative Art, in Oil and Water Colors. *Bronze Medal.*
- MRS. L. C. KELLY.—Best Single Specimen of Painting in Water Colors. *Bronze Medal.*
- MISS HELEN PHILIP.—Best Single Specimen of Encaustic Tile. *Bronze Medal.*
- MRS. J. ADDISON SMITH.—Best Kensington Painting. *Bronze Medal.*
- MRS. WM. IRELAN.—Best Lustre Painting. *Bronze Medal.*
- MRS. H. F. ORVIS.—Best Painting on Velvet. *Bronze Medal.*
- MISS QUEENIE HOLLAND.—Best Painting on Velvet by a local amateur (a little girl of 11 years.) *Diploma.*
- MISS C. M. CARLSON.—Best Painting on Plush. *Bronze Medal.*
- CHRIS. WISMER.—Best Painting on Glass. *Bronze Medal.*
- MRS. HENRY NEWMAN.—Best Painting on Glass by a local amateur. *Bronze Medal.*
- MRS. S. E. SROUFE.—Best Painting on Wood. *Bronze Medal.*
- MISS E. STALLMAN.—Best Painting on Tin. *Bronze Medal.*
- MISS MARY BAILEY.—Best Painting on Satin. *Bronze Medal.*
- MRS. HOLT.—Best Painted 5-fold Screen. *Bronze Medal.*
- MRS. M. E. FOUNTAIN.—Best Painted 3-fold Screen. *Bronze Medal.*
- MRS. F. A. FISH.—Best Single Screen. *Bronze Medal.*
- MRS. L. M. CURTIS AND H. G. PEELOR (SAN JOSE).—Best Painted Plaque. *Bronze Medal.*

We beg leave to call your attention to specimens of painting by Miss DELAHAYE, and recommend that such action be taken as will entitle her to a premium.

For best Painting on Silk (very fine), and best single specimen of Painting on Porcelain. *Bronze Medal.*

We would further recommend that you grant an award to the following-named professional and amateur artists, for meritorious specimens of painting:

MISS BERTHA SLEICHER. *Diploma.*

MISS AMELIA OCHS	<i>Diploma.</i>
MRS. WM. J. McDUGAL.	<i>Diploma.</i>
MRS. E. W. DOW.	<i>Diploma.</i>
MISS IDA D. WHITE.	<i>Diploma.</i>
MRS. E. CLAYMORE.	<i>Diploma.</i>
MRS. WM. T. ROSS.	<i>Diploma.</i>
MISS MAY GARETTE.	<i>Diploma.</i>
MARY TAPE.	<i>Diploma.</i>
NEWMAN & LEVINSON.	<i>Diploma.</i>
MRS. L. M. CURTIS OF SAN JOSE.	<i>Diploma.</i>
G. H. PEELOR OF SAN JOSE.	<i>Diploma.</i>
MRS. M. E. MOORE.	<i>Diploma.</i>
A. McELROY.	<i>Diploma.</i>
MISS GRACE COLLINS.	<i>Diploma.</i>
MISS MARGARET DENT.	<i>Diploma.</i>
S. M. SHEA.	<i>Diploma.</i>
ROBERT SHIELDS ASLACHEN.	<i>Diploma.</i>
MRS. TERESA CORLETTE.—Barbotine and Florentine work, very fine.	<i>Bronze Medal.</i>

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### CLASS 43.

#### Sculpture, Statuary and Carving.

##### JURORS:

F. S. SMITH,

A. WILKIE.

The undersigned respectfully report the following:

MISS ETHEL CORLETTE.—Oxidized Heads. *Bronze Medal.*

A. PALTENGHI.—Marble Bust of Victor Emanuel. *Silver Medal.*

W. T. GARRATT.—Bronze Statue of "Ley Juarez."—This Statue is about seven feet in height, weighs 1,700 pounds, exclusive of pedestal, and is of fine proportions, and very life-like in expression. The modelling was by Gagliardi, but the casting and the entire mechanical work was done at Mr. Garratt's Foundry on Fremont street. Its execution shows, in a marked manner, the capabilities of our local institutions to produce art work in metal of almost any weight or size. The statue was unveiled on the afternoon of September 16th, in the presence of the Mexican Consul, the Juarez Guard, and a large number of distinguished foreign visitors and invited guests. Upon the removal of the drapery, Hon. A. G. Booth made the following appropriate address:

" From the remotest antiquity every nation has had its days of celebration, and every age has been characterized by popular festivals. We have our National holiday—a day sacred to the heart of every true American—and our sister Republic, Mexico, celebrates to-day the anniversary of her independence. To-day is the Mexican Fourth of July, and it is eminently fitting that on this anniversary day the statue of her greatest President should be unveiled.

" I have been requested, before the orator of the day is introduced, to briefly refer in English to the history of Benito Juarez, that President whose memory the citizens of our neighboring Republic delight to honor.

" He was one of the most remarkable men that the nineteenth century has produced. Born on the 21st of March, 1806, among the mountains of Mexico, of pure Indian blood, his father dead before he was born, his mother dying at his birth, this little orphan Aztec Indian boy was left to the care of his grandmother and uncle. At eleven years of age he was without any education whatever, and unable to speak the Spanish language. He ran away from home and sought to earn a livelihood as a servant. His strong desire for mental improvement and his studious habits attracted the attention and aroused the sympathy of a wealthy merchant, who placed him in an institution of learning, young Juarez in return aiding the merchant in his business. Little did his benefactor think that the little Indian boy he was so generously aiding would be the future President of the Mexican Republic.

" Completing his studies with honor to himself, he was advised to study for the Church, but his inclinations were for the law. When about 22 years of age, he was a member of the Institute of Arts and Sciences, and an Alderman of the city of his adoption. In 1832 he was elected a member of the Legislature, and subsequently admitted to practice at the bar. Here he rapidly won distinction, speaking the Spanish language as though it were his mother-tongue, with eloquence. Such were the rapid changes in life of this orphan Indian, who, a few short years before, was an ignorant shepherd boy, tending sheep in the mountains, barefoot and nearly naked.

" In 1846 he was elected one of the triumvirate that governed his State, and was subsequently a member of Congress.

" In 1847 he was Governor of the State of Oajaca, where he served for five years.

" In 1853 he was exiled by Santa Anna, but in 1855 was Minister of Justice, and in 1857 was elected President of the Supreme Court by virtue of which position he became, *ex-officio*, Vice-President of the Republic. Through his efforts the law was passed which gave the death blow to the special charters and privileges of the clergy and army, and is to-day known as the Juarez law.

" Passing over the period when he was the acting President, and the three years' war, we find him in March, 1861, the duly elected President of Mexico.

" It was during his Presidency, and while our nation was shaken from center to shore by the throes of our civil war, that the French Emperor sought to establish a Franco-Austrian Empire in Mexico. The short reign of Maximilian and its attendant circumstances are too well-known matters of history to need recital here.

"President Juarez was the warm friend of our nation in its hour of peril, and though himself forced to leave his capital and move from place to place, yet, wherever he located, with his Secretary and his printing press, there was the seat of the Mexican Government. He never left Mexican Territory, but remained upon his native soil. Possessed of that idomitable energy so characteristic of the man, he successfully carried out his plans of opposition to the invader and returned once more in triumph to the City of Mexico and the Presidency of the Republic.

"His death occurred on the 18th day of July, 1872. Regarded by his countrymen as the savior of their Republic, they have caused to be erected in this city a bronze statue, showing the love and respect they entertain for their departed President. But, beyond all outward symbols of love, the name of Juarez will live in their memory long after yonder statue shall be no more."

The band played the Mexican National Hymn in an acceptable manner and then Señor José Parra Y Álvarez, in Spanish, delivered a masterly eulogy on the lamented President of the Mexican Republic.

MR. GARRATT, for the Statue, was awarded

*Grand Silver Medal.*

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## CLASS 44.

### Engravings, Original Drawings, etc.

#### JURORS:

W. H. EDWARDS,

NATHANIEL HUNTER,

S. A. EVANS.

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Your committee appointed to act as jurors in awarding premiums to the most meritorious exhibits of original drawings, engravings, etc., as embraced in Catalogue Class No. 44, and the various styles and varieties of photography, etc., as embraced in Catalogue Class No. 45, beg leave to submit the following:

We find the specimens of crayon portraits and drawings to be of a character to reflect the highest credit upon the many artists who have placed the results of their genius and labor on exhibition. We appreciate the fact that we have an exceedingly delicate and difficult task to perform when we undertake to discriminate among the works of such eminent and talented artists as J. P. Donavan, H. W. A. Nahl, Mrs. C. E. Danielwitz, Perham W. Nahl, Mrs. M. C. Richardson, the Michigan Portrait Co., Master Arthur C. Nahl (only 12 years old), A. E. Wilson, Miss C. E. Usher, Miss L. Tomlinson, Mrs. N. Michelson, Master Willie C. Ellenwood (only 11 years old), Miss Carrie B. Taber, Miss Valentine and others, whose exhibits place them

in the topmost niches of artistic celebrity. The fact that each crayon exhibit has a subject different from every other one, makes it still more difficult to select any one of the many and say that it is pre-eminently entitled to the highest award on account of its artistic excellence. Yet, after a patient and critical examination of the many crayon portraits, all of which are a credit to our community, and to the artists whose names they bear, we believe that J. P. Donavan is, on account of the beautiful and artistic blending of light and shade, the softness, the life-like appearance, and the general perfection of execution and finish, entitled to a *Silver Medal*, on Catalogue Nos. 487, 463, 480, 481 and 462; and that the following are entitled to the prizes set opposite to their names for Crayon Portraits and Drawings:

H. W. A. NAHL.—Catalogue Nos. 464 and 465. *Silver Medal.*

MRS. C. E. DANIELWITZ.—Catalogue Nos. 459, 460, 461 and 484. *Silver Medal.*

MICHIGAN PORTRAIT Co.—Catalogue Nos. 469 to 476 inclusive. *Bronze Medal.*

MRS. M. C. RICHARDSON.—Catalogue No. 451. *Diploma.*

MASTER ARTHUR C. NAHL (12 years of age).—Catalogue Nos. 468 and 494. *Diploma.*

MISS C. E. USHER.—Catalogue No. 479. *Diploma.*

MRS. N. MICHELSON.—Catalogue Nos. 469 to 476, inclusive. *Diploma.*

MASTER PERHAM W. NAHL (age 16).—Catalogue Nos. 482, 483, 492 and 495. *Diploma.*

That the following are entitled to honorable mention:

Mrs. H. M. Payne, Miss Carrie B. Taber, A. E. Wilson, Mrs. J. E. Brown, Miss L. Tomlinson, Chris. Wismer, Miss Laura E. Foster, Miss May Valentine (a pupil of the Girls' High School), and Master Willie C. Ellingwood (11 years old.)

MR. H. G. PEELOR.—For a strictly perspective drawing of the Electric Light Tower of San Jose, is entitled to a *Diploma.*

MR. T. R. SOUTHERN.—For General Display of Penmanship. *Silver Medal.*

MR. T. R. SOUTHERN.—For Pen Writing and Engraving. *Bronze Medal.*

MR. T. R. SOUTHERN.—For Card Writing. *Diploma.*

The mechanical drawings of the Drawing Class of the Mechanics' Institute, although not so numerous as we hope to see at future exhibitions, speak well for the ambition and enterprise of the pupils, and give evidence of painstaking and thorough instruction on the part of Professor E. T. Cooper. We feel that the Directors of the Mechanics' Institute deserve the earnest commendations of the citizens of San Francisco, for the good work they are doing for the rising generation of skilled artisans and mechanics, by furnishing them the means of gaining proper and scientific instruction, whereby they may be enabled to pursue their labors diligently.

MASTER JOHN ROBERTS, of Mechanics' Institute Class.—For Original Mechanical Drawing. *Diploma.*

MASTER ALBERT OWENS, Mechanics' Institute Class.—For Mechanical Drawing. *Diploma.*

CARL EISENSCHIMEL.—For his fine Pen Drawing of Charles V.'s entry into Antwerp, we recommend an award of a *Silver Medal.*

S. & J. C. NEWSOME.—Architectural Drawings. *Diploma.*

S. LEVY.—For a display of Crayon and Pastel Drawings we recommend a *Diploma.*

G. F. SCHILD.—Naval Architectural Drawings. *Diploma.*

J. B. MONACA.—Pastels in Oil Colors.—These are very fine, and we think are entitled to an award. *Diploma.*

A. T. EGGERT.—This Pastel, done in Oil Colors, is also worthy of *Honorable Mention.*

WILLIAM ARMITAGE exhibited three large Crayon Cartoons of original composition, for which we recommend a *Diploma.*

The following is a description, as given by the artist:

**THE LIGHT OF THE WORLD (16x11 FEET)**

Is intended to represent the sacrifice of a lamb by Jewish Priests, the High Priest attending. An angel is pointing to a vision of Christ with his Cross, to signify that Christ is the light of the Jewish sacrifice.

**THE ATONEMENT (11x7 FEET)**

Is intended to convey the idea that Christ, after His crucifixion, went to preach to the spirits of the dead, "being put to death in the flesh but quickened in the spirit, by which he went to preach to the spirits in prison." 1 Peter, ch. iii.

The lower part is to represent the events that occurred at the Crucifixion.

**THE AVENGING OF THE MARTYRS (12x8 FEET)**

Represents the elders bowing before the Throne, the martyrs crying for vengeance. The angels offering their prayers before the Throne, and the judgments following, shown by the going forth of the red, the white, the black, and Death on the Pale Horse.

G. F. SCHILD.—Apparatus for Mechanical Drawing and the Enlargement of Pictures, Patterns, etc. *Diploma.*

COLLECTION OF FANCY PROGRAMMES.—Amongst the many magnificent private collections placed on exhibition there is none more deserving of special notice than the beautiful and unique collection of fancy programmes exhibited by Mr. A. S. Keser.

One would scarcely believe that such a superb collection could be gathered in one private cabinet; and your committee were surprised at the extent and beauty, the excellence and the variety of the exhibit, and we recommend Mr. Keser to receive a *Diploma.*

## CLASS 45.

**Photography.**

## JURORS:

S. A. EVANS,

NATHANIEL HUNTER,

W. H. EDWARDS.

In reporting on Photography, your committee cannot but express regret that so few of our city photographic artists have availed themselves of the opportunity offered by the Mechanics' Institute Fair, to have their work inspected by our own citizens and the thousands of visitors who have visited our city during the exhibition; and we hope that in the future more competitors may come forward with specimens of their skill in this beautiful art. In those who have exhibits in photography, we recognize the leaders of the art in this city.

**MR. A. J. PERKINS.**--Mr. A. J. Perkins has a splendid assortment of Landscape, Portrait and Cabinet Photography, and the workmanship, the clear cut lines and elegant finish are beautiful, and proclaim him to be indeed a master of his art.

For the Best General Display of Photographs. *Grand Silver Medal.*

For 12 finished Photographs, cabinet size. *Bronze Medal.*

For Specimens of Landscape Photography, 12 views. *Silver Medal.*

**MR. CHARLES LAINER.**--The display of Mr. Charles Lainer, although not so elaborate, is worthy of the highest praise. The exhibits of Instantaneous Photographic Portraits, large and small, are well worthy of high recognition, and add convincing proof that the Photographic Artists of San Francisco are second to none, and place Mr. Lainer among the first in his line.

For Retouched Photographs. *Silver Medal.*

For 6 Photographs, finished with crayon. *Silver Medal.*

For Photograph of Group, not less than 10. *Bronze Medal.*

For Photographs in Oil and Water Colors. *Silver Medal.*

**MASTER JULIUS JOSHUA KLAIN.**--The Photographic exhibits of Master Julius Joshua Klain, 14 years old, are an honor to him, and his enterprise and energy insure his final success in the photographic field. Your committee recommend:

For General Display of Photography, Landscape Views, etc. *Diploma.*

For Stereoscopic Views. *Bronze Medal.*

**PARKER & HULT.**--Display of Amateur Photography. *Silver Medal.*

**J. C. BREWSTER.**--J. C. Brewster of Ventura County exhibited a series of Photographic Views of Southern California that were fine specimens of art, and interesting to visitors. We recommend for his display a *Diploma.*

## CLASS 46.

## Plants and Flowers.

[The following report by a Standing Committee (Horticulture) of the Board of Trustees is inserted here, as they had the entire management of this Class, an interesting part of the Exhibition.]

Your committee on Horticulture respectfully beg leave to present the following report:

As announced, there were five Floral Days, on two of which amateurs as well as professional florists competed.

The greatest interest was manifested by the public, especially by ladies, in these displays of floral work, which were also favorably noticed by the press.

The committees never consisted of less than eleven ladies. The following-named served as Jurors on Floral Days:

MISS MARIE KOHLER,	MRS. PETER DONAHUE,
MRS. W. GREER HARRISON,	MRS. CESAR BERTHEAU:
MRS. B. C. HARSTON,	MRS. J. D. TALLANT,
MRS. CHAS. LUX,	MRS. SAMUEL CRIM,
MRS. DONALD MCLENNAN,	MRS. T. W. JOHNSTON,
MRS. E. A. DENICKE,	MRS. F. SCHUENEMANN-POTT,
MRS. G. G. BURNETT,	MISS LULU A. BAUER,
MISS MINNA BAUER,	MRS. ARTHUR M. EBBETS,
MRS. M. J. GERBERDING,	MRS. R. HEROLD,
MISS DAISY TAYLOR,	MRS. A. HARLOE,
MRS. A. M. JEWELL,	MRS. H. J. SADLER,
MRS. DR. RICHTER,	MRS. C. H. MANN,
MISS NELLIE LOWRY,	MRS. F. D. TRAVELLER,
MISS MARIE SEITZ,	MISS ALICE REGENSBURGER,
MISS EMMA REGENSBURGER,	MISS NANNIE WRIGHT,
MRS. H. WILSON,	MRS. G. H. MORRISON,
MRS. R. F. OSBORN,	MRS. ALBERT MAU,
MISS ALICE G. JEWELL,	MRS. D. F. NEAL,
MRS. J. S. MATTOON,	MRS. M. WILSON,
MISS F. V. RETICKER,	MRS. F. W. SUMNER,
MRS. F. D. STADTMULLER,	MRS. W. R. ECKERT,
MRS. A. G. BOOTH,	MRS. W. G. JOBSON,
MRS. C. H. STEELE,	MRS. L. W. McGLAUFLIN,
MRS. J. G. JAMES,	MRS. C. R. THOMPSON,
MISS MAGGIE L. BUNKER,	MISS E. L. SLATE,
MISS DORA DORN,	MRS. W. J. COLLINS,
MRS. W. P. DEMEY,	MISS F. W. BUNKER,
Miss E. WEISS,	MISS MAY W. SHANNON,
MRS. R. DICKSON,	MISS ROSIE GUNDLACH,
MRS. CHARLES ELLIOT,	MISS FRANCES O'NEIL,
MRS. E. A. SCOTT,	MISS EMMA KOHLER,
MRS. J. V. COLLINS,	MISS E. LORENTZEN,
MISS S. E. COWELL,	MISS L. M. AMES,
MISS J. HAYES,	MISS MATTIE BULLOCK,
MISS ANNIE WOODWARD,	MISS CORRENNAH WILSON,
	MISS HATTIE L. ADAMS.

The following were the Floral Programmes and prizes awarded:

**FLORAL PROGRAMME AND AWARDS.**

*First Floral Day, Friday, August 28th.*

Best five following Floral Designs, quality of flowers and excellence of workmanship to be considered:

Horse Shoe, 18-inch frame, on easel.	Flat Basket, square 15-inch frame.
Butterfly, 15-inch frame, on easel.	Horn of Plenty, 15-inch frame.
15-inch frame, on easel.....	Fan, 15-inch frame, on easel.....
	\$75 00
Second Best Ditto.....	60 00
Third Best Ditto.....	40 00
Fourth Best Ditto.....	25 00

**PRIZES AWARDED.**

First Prize.....	J. H. Sievers
Second Prize.....	Wm. Meyer & Co.
Third Prize.....	C. M. Leopold & Co.
Fourth Prize.....	Nespoli & Ferrari

*Second Floral Day, Wednesday, September 2d.*

Best ten following-named Floral Pieces, quality of flowers and excellence of workmanship to be considered:

1 Bride's Bouquet.	2 Bridesmaids' Bouquets.	1 Corsage Bouquet for Bride.	2 Corsage Bouquets for Bridesmaids.	2 Table Bouquets, 15-inch frame.	1 Lover's Knot, 20-inch frame.	2 Gentlemen's Boutonnieres.
						\$75 00
						60 00
						40 00
						25 00

**PRIZES AWARDED.**

First Prize.....	J. H. Sievers
Second Prize.....	C. M. Leopold & Co.
Third Prize.....	Wm. Meyer & Co.
Fourth Prize.....	Jean Pouyal

*Third Floral Day, Wednesday, September 9th.*

Best five following Emblems in Flowers, quality of flowers and excellence of workmanship to be considered:

Cross on Slope, 15-inch frame.	Pillow, 18-inch frame.	Broken Column, 18-inch frame.	Anchor on Slope, 18-inch frame.	Star on Slope, 18-inch frame.....
				\$75 00
				60 00
				40 00
				25 00

## PRIZES AWARDED.

First Prize.....	J. H. Sievers
Second Prize.....	Wm. Meyer & Co.
Third Prize.....	Nespoli & Ferrari
Fourth Prize.....	Jean Pouyal

In addition to the foregoing premiums the following prizes were offered to be competed for on Wednesday, September 9th, by amateurs and owners of private gardens and conservatories:

For the most beautiful design in Cut Flowers, quality of flowers and artistic excellence of work to be considered..... *Grand Silver Medal* and \$15 00

Second Best Ditto..... *Grand Bronze Medal* and 10 00

Third Best Ditto..... *Diploma* and 5 00

Most Beautiful Bouquet, quality of flowers and artistic arrangement to be considered..... *Silver Medal* and \$15 00

Second Best Ditto..... *Bronze Medal* and 10 00

Third Best Ditto..... *Diploma* and 5 00

## PRIZES AWARDED TO AMATEURS.

*Bouquets.*

First Prize.....	Mrs. Cesar Bertheau
Second Prize.....	Miss Marie Seitz
Third Prize.....	Mrs. J. H. Garden

*Designs.*

First Prize, "Bicycle".....	Mrs. W. H. Ware
Second Prize, "Bicycle".....	Miss Eugenie Block
Third Prize, "Cross".....	Miss Emma Provost

*Fourth Floral Day, Wednesday, September 16th.*

Dining Table for twelve persons most artistically decorated with Flowers and Ferns..... \$75 00

Second Best Ditto..... 60 00

Third Best Ditto..... 40 00

Fourth Best Ditto..... 25 00

Best Dining Table decorated as above, by

Amateurs..... \$20 and *Grand Silver Medal*

Second Best Ditto..... \$10 and *Grand Bronze Medal*

Third Best Ditto..... \$5 and *Diploma*

## PRIZES AWARDED TO PROFESSIONAL FLORISTS.

First Prize.....	C. M. Leopold & Co.
Second Prize.....	Jean Pouyal
Third Prize.....	J. H. Sievers
Fourth Prize.....	Nespoli & Ferrari

## PRIZES AWARDED TO AMATEUR COMPETITORS.

First Prize.....	Mission Beulah Club
Second Prize.....	Miss Marie Sietz
Third Prize.....	Miss Laura Goldsmith

*Fifth Floral Day, Wednesday, September 23d.*

Best five new and original designs in Cut Flowers. Novelty of design, quality of flowers and excellence of workmanship to be considered. \$75 00

Second Best Ditto.....	60 00
Third Best Ditto .....	40 00
Fourth Best Ditto.....	25 00

## PRIZES AWARDED.

First Prize.....	J. H. Sievers
Second Prize.....	E. M. Leopold & Co.
Third Prize.....	Nespoli & Ferrari
Fourth Prize.....	Jean Pouyal

It was announced that the competitor receiving a majority of first premiums, would be awarded the

## GRAND SILVER MEDAL.

This was awarded to Mr. J. H. Sievers, under the rules.

For the guidance of committees in future Fairs, we append the following rules which governed the floral competitions:

Entries must be made at Secretary's office not later than 4 o'clock p. m. of the day preceding the exhibition.

Designs must be in position not later than 2:15 p. m. on each Floral Day, and must remain in position during the whole of the succeeding day. Floral exhibitors and their employees must leave the floor until Jurors are through their examination of the Flowers and Designs.

Sample frames for above different set designs, from which exhibitors must not deviate, can be seen at Mechanics' Pavilion on application to the Secretary.

Disinterested committees, composed in each case of not less than eleven ladies of known taste in these matters, will award the premiums offered by the Institute.

Respectfully submitted,

GEORGE H. HOPPS,  
J. R. WILCOX,  
C. WATERHOUSE,  
W. P. STOUT,  
Committee.

## CLASS 47.

## Farm Products (Division I.)

## J U R O R S :

W. DRESBACH,  
BARRY BALDWIN,

LOUIS S. HAAS.

JOHN F. MCCORD,  
H. C. BUNKER,

*Wheat, Barley, Oats, Rye, Corn, Hops, etc.*

Your committee of jurors, appointed to award premiums under Class 47, unanimously make the following report:

For best, most extensive and varied exhibit of Farm Products, etc.

VENTURA COUNTY.—First Premium. \$250 and *Gold Medal.*

SONOMA COUNTY.—Second Premium. \$150 and *Silver Medal.*

FRESNO COUNTY.—Third Premium. \$100 and *Bronze Medal.*

VENTURA COUNTY.—Best display of Wheat, in grain and sheaf. \$30 and *Silver Medal.*

SONOMA COUNTY.—Best display of Barley, in grain and sheaf. \$15 and *Silver Medal.*

SONOMA COUNTY.—Best display of Oats, in grain and sheaf. \$10 and *Silver Medal.*

SONOMA COUNTY.—Best display of Rye, in grain and sheaf. \$5 and *Silver Medal.*

VENTURA COUNTY.—Best display of Corn, in grain and sheaf. \$10 and *Silver Medal.*

FRESNO COUNTY.—Best display of Hops, in grain and sheaf. \$25 and *Silver Medal.*

FORTMAN & Co., Pacific Brewery.—Best display of Brewing Barley. \$15 and *Silver Medal.*

Best display of Hops for Brewing Purposes. \$25 and *Silver Medal.*

SONOMA COUNTY.—Display of unpressed Hops. *Silver Medal.*

MRS. J. G. SHEPHERD, Ventura Co.—60 Varieties of Flower Seeds. *Diploma.*

Your committee cannot bestow too much praise upon the extensive, beautiful and varied exhibit made by Ventura County, and note that upon the opening of the Fair this exhibit was displayed in its completeness, and has been fully maintained ever since. And as a further acknowledgment of the appreciation by your committee of the efforts made by the citizens of Ventura County to make their exhibit a useful and complete display of the resources of that region, we beg leave to suggest that suitable recognition be given to two

special industries of that County as represented by the large and well arranged display of Dried Fruits by Mr. R. G. Surdam, and the exhibit by D. C. Scott, of Crude, Distilled and Refined Petroleum. *Silver Medal to each.*

The last-named product is, in our opinion, a most interesting feature of this display, in view of the fact that petroleum has been recently adopted as the most economical and convenient fuel for generating steam on the ferry boats of the C. P. R. R., and is about to be used by the P. C. S. S. Co. on their steamers on the Southern Coast.

We also suggest and recommend that Fresno County receive a special award for its display of fine quality of Wheat. *Grand Silver Medal.*

In Brewing Barley, we were obliged to award the premium to a local Brewing Company, though it is our opinion that these awards should be bestowed only upon producers.

In conclusion, it affords us pleasure to express our unqualified praise of this new feature of the Annual Exhibitions and of the liberality of the management in offering such generous inducements to the various sections of our State to show to the world, through this medium, their wonderful capabilities. We believe that these county exhibits will become the leading attraction of future Fairs, and are pleased to be able to aid the cause in passing upon the merits of our sister counties.

Your committee, while engaged in making awards for Farm Products, had its attention called to the splendid exhibits of California Wines and Brandies made by the various counties under our Class; and appreciating the importance of this constantly-growing industry in our State, have seen fit to recommend Sonoma County for the largest variety of California Wines and Brandy, and specially recommend their Clarets, Sherry and Port.

In Fresno County's exhibit we cannot fail to recommend the splendid display of Wines made by Mr. Robert Barton, and specially recommend his Burger Wines.

Wine-making, though a comparatively new industry to Ventura County, has not been unsuccessfully introduced, as shown by their meritorious exhibit of Apple Brandy.

## CLASS 47.

### Farm Products (Division 2.)

#### JURORS:

FRANK DALTON,

W. W. DOYLE,

JOHN F. ENGLISH.

J. D. TELLER.

ARTHUR R. BRIGGS,

*Fruit, Dried Fruits, Nuts, Canned and Preserved Fruits, etc.*

Your committee appointed to examine and report upon a portion of what is designated as Class 47, embracing Fruit, Dried Fruit, Nuts, Canned and

Preserved Fruits, Vegetables, Dairy Produce and Honey, have examined carefully and critically the various exhibits under their jurisdiction, and, in filing their report, feel that they may properly congratulate the managers of the exhibition, the exhibitors in this special department, and the people of the entire State, upon the complete success of this exhibit.

The interest manifested by visitors in the merits and qualities of the various products, has been, to say the least, equal to that shown to any other exhibit in the Fair. Your committee respectfully submit, that here, in the Metropolis, where your exhibitions are thronged daily and nightly by representatives of all the people of all classes of this State and coast, as well as by visitors from all portions of the world, embracing as they do both consumers and dealers, is pre-eminently the proper place for the regular principal exhibit of our California products, and that such exhibitions will accomplish more toward advancing the interests of California products than all other agencies combined. We respectfully suggest that the interest shown this season by both exhibitors and visitors may very properly, as it doubtless will, commend to your honorable body the propriety of increasing your facilities and already liberal premiums, in order that this may be made, as it deserves to be, one of the leading features of your Fairs.

In recommending awards, we have necessarily deviated somewhat from the printed schedule by recommending awards to counties, rather than to individuals, where the aggregate county exhibit seemed to be meritorious, and where such award would seem to prejudice the claim of any individual exhibitor. We recommend as follows:

### To award on Fruits:

### *Fresh Fruit.*

VENTURA COUNTY.—Best general display of Fruit by producer on the third week of the Fair. Diploma and \$75.

**SONOMA COUNTY.**—Second best general display of Fruit by the producer on the third week of the Fair. \$25.

We find no general display of fruits by dealers, hence pass the next two awards which you offer.

W. W. BROUGHTON, Lompoc, Santa Barbara Co.—Best general display and variety of Apples. Diploma and \$20.

**SONOMA COUNTY.**—Second best general display and variety of Apples. \$10.

FERNSO COUNTY—Best display and variety of Pears. *Diploma* and \$20.

S. H. Balder - Sound best display and variety of Peas.

STATE UNIVERSITY, Berkeley.—Second best display and variety of fruits \$10

FRESNO COUNTY.—Best display and variety of Peaches.

*Diploma and \$20*

J. H. THOMAS, Visalia.—Second best display and variety of Peaches.

\$10.

- A. D. PRYAL**, North Temescal.—Best display and variety of Plums.  
*Diploma.*
- J. S. HARVEY**, San Diego.—Best display of Citrus Fruits.  
*Diploma and \$50.*
- VENTURA COUNTY**.—Second best display of Citrus Fruits. *\$25.*
- FRESNO COUNTY**.—Best display of Table Grapes, variety and excellence considered.  
*Diploma and \$50.*
- SONOMA COUNTY**.—Second best display of Table Grapes, variety and excellence considered. *\$25.*
- J. H. DRUMMOND**, Dunfillan, Glen Ellen, Sonoma County.—Best display of Wine Grapes.  
*Diploma and \$50.*
- EISEN RANCH**, Fresno.—Second best display and quality of Wine Grapes.  
*\$25.*
- EISEN RANCH**, Fresno.—Best general display of grapes by producer.  
*Diploma and \$25.*
- Wm. SHIVELY**, Rio Dell, Humboldt Co.—Fine display of excellent varieties of Apples. *Silver Medal.*
- J. J. MORRISON & E. W. MASLIN**, Placer County.—Fine exhibit of Fruits and Vegetables. *Silver Medal.*
- J. C. FLOOD**, San Mateo County.—Display of Apples. *Diploma.*
- Dried Fruit.*
- T. C. WHITE**, Fresno.—Best display of California Raisins.  
*Diploma and \$40.*
- MRS. A. M. AUSTIN**, Fresno.—Second best display of California Raisins. *\$20.*
- VENTURA COUNTY**.—Best general display of Dried Fruits.  
*Diploma and \$25.*
- SONOMA COUNTY**.—Second best general display of Dried Fruits. *\$15.*
- HANFORD FRUIT DRYING CO.**—Exhibit of five varieties. *Diploma.*
- GUSTAV EISEN**.—Dried Figs. *Diploma.*
- Nuts.*
- VENTURA COUNTY**.—Best display of Cultivated Nuts. *Diploma and \$10.*
- Canned and Preserved Fruits.*
- VENTURA COUNTY**.—Best display of Jelly in Glass, home made.  
*Silver Medal and \$4.*
- MRS. L. H. MOISE**, San Francisco.—Best display of Preserved Fruits in Glass, home made. *Silver Medal and \$5.*
- MRS. L. H. MOISE**, San Francisco.—Best display of Jams in Glass, home made. *Silver Medal and \$5.*

*Dairy Products.*

G. P. LAIRD's DAIRY, Santa Cruz.—Best display of Cheese. *Diploma.*

*Honey, etc.*

VENTURA COUNTY.—Best display of California Honey. *Diploma and \$10.*

NECTAR JELLY FACTORY, San Francisco. *Diploma.*

PETALUMA FRUIT PACKING Co.—For Preserved Fruits in Glass. *Diploma.*

*Vegetables.*

FRESNO COUNTY.—Best general display of Vegetables during the last week  
of the Fair, *Silver Medal and \$25.*

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ROBERT BARTON, Fresno.—For Burger Wine Grapes (received too late for  
competition.) *Special Silver Medal.*

J. B. WHITCOMB, Colfax.—For Table Grapes (received too late for compe-  
tition.) *Special Silver Medal.*



# CLASSIFIED LIST

—OF—

# PREMIUMS AWARDED.

## GOLD MEDALS.

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
1.	W. T. Garratt.....	Pitchford-Corliss Steam Engine
11.	Baker & Hamilton.....	Best Display of Agricultural Machinery
12.	California Wire Works....	Best Display of Wire Rope and Wire Goods
12.	Pacific Rolling Mill Co.....	Steel Castings, forgings, etc.
13.	George H. Tay & Co.....	Best Stoves of Home Manufacture
15.	Hall's Safe and Lock Co...	Best Display of Fire and Burglar-proof Safes
18.	Weed & Kingwell....	Best Assortment of Brass Work, California Make
19.	John Mallon.....	Best Stained, Ground and Bent Glass
19.	S. & G. Gump....	Display of Mirror Frames, Picture Frames, Pedestals and Mantels.
20.	John Bergstrom & Co.....	Pipe Organ of California Make
21.	W. Larkins & Co....	Best General Display of Carriages, California Make
21.	David Kerr.....	Best Two-horse Truck
22.	Pacific Spring and Mattress Co....	Best General Display of Furniture
26.	H. Liebes & Co.....	Best Display of Fur Goods
27.	San Francisco Pioneer Woolen Factory..	Woolen Goods of Home manufacture.
31.	Standard Soap Co...	Best Display and Assortment of Soaps of California Make.
32.	Thomas Hatch.....	Best Collection of Native and Foreign Woods
32.	A. Dohrmann.....	Best Exhibit of Minerals
34.	E. J. Baldwin.....	Best Display of California Wines and Brandies
38.	Louis Weule.....	Astronomical Clock
47.	Ventura County.....	Best and most extensive exhibit of Farm Products.

## GRAND SILVER MEDALS.

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
2.	Goss & Dow.....	Best Direct and Double-Acting Steam Pump
3.	San Francisco Tool Company.....	Machinists' Tool and Metal Working Machinery.
12.	Pacific Rolling Mill Company.....	Iron and Steel of California Make
16.	Will & Finck.....	Best Exhibit of Cutlery
17.	J. & F. Kesseler.....	Onyx Mantels and Pedestals
18.	Thomas Day & Co.....	Best Gas Fixtures
20.	Sherman, Clay & Co.....	Best Organs and Pianos of California Make
21.	Studebaker Bros. Manufacturing Co.....	Best Display of Imported Carriages.
22.	Heywood Bros. & Co....	Best and Largest Display of Rattan Furniture of new design, and Upholstering on the same.
25.	H. N. Cook.....	Leather Belting, Hose, Raw-hide, etc., California Make
26.	Tubbs & Co.....	Best Exhibit of Cordage, California Make
26.	S. P. Taylor & Co.....	Best Printing Paper, California Make
26.	California Glue Works (M. Holje).....	Best Glue, California Make
31.	Giant Powder Company .....	Judson Powder and Explosive Gelatine
37.	R. Bujannoff.....	Best California-made Jewelry
38.	California Electric Light Company....	Best General Display of Artificial Illuminating Apparatus.
38.	Pacific Coast Electrical Construction Co..	Dynamos and Electrical motors
38.	John Roach.....	Best Astronomical, Surveying and other Instruments
43.	W. T. Garratt.....	Bronze Statue of President Juarez
45.	A. J. Perkins.....	Best General Display of Photography
46.	Mrs. W. H. Ware.....	Floral Design, Medal and \$25
46.	Mrs. Cesar Bertheau.....	Floral Bouquet, Medal and \$15
46.	Mrs. A. M. Jewell, Mrs. C. Waterhouse, Mrs. R. G. Sawyer, Miss Alice B. Jewell,	for Mission Beulah Club, best decorated Dining Table..... Medal and \$20
46.	J. H. Sievers.....	Greatest number of First Prizes on Floral days
47.	Fresno County.....	Display and fine quality of Wheat

## GRAND BRONZE MEDALS.

1. H. P. Gregory & Co..... "Otto" Gas Engine
1. Baker & Hamilton..... Best Straw Burning Engine
2. San Francisco Tool Co..... Best Centrifugal Pump
2. Thompson & Evans..... Best Steam Pump with Crank and Fly Wheel

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
3.	C. F. Marwedel.....	Best Display of Machinists' and Moulders' Tools
4.	Tatum & Bowen .....	Hoe Circular Saw
5.	San Francisco Chronicle.....	Stereotype Plates and Work
6.	H. Norris.....	Best Dry Placer Gold Concentrator
8.	California Fire Apparatus Manufacturing Co.....	Best Hose Cart
14.	Liddle & Kaeding .....	Best Assortment of Fire Arms
16.	Frank A. Davis.....	Cutting Dies for Leather
18.	Emile Boesch.....	Best Display of Lanterns and Reflectors
18.	A. S. Graff.....	Best Coal Oil Lamps
19.	W. H. Warren.....	Ornamental Embossed Glass, Gold and Silver Looking Glasses.
19.	G. F. Schiller. ....	Fresco and Stucco Work
20.	Kohler & Chase.....	Best General Display of Musical Instruments and Merchandise.
21.	M. J. McCue.....	Best Open Rockaway
21.	Studebaker Bros. Manufacturing Co.....	Best Display of Farm Wagons
27.	Pioneer Woolen Factory.....	Best Flannel, California Make
46.	Miss Eugenie Bloch.....	Floral Design, Medal and \$10
46.	Miss Marie Seitz.....	Floral Bouquet, Medal and \$10
46.	Miss Marie Seitz.....	Decorated Dining Table, Medal and \$10

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## SILVER MEDALS.

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1. W. H. Ohmen..... Automatic Cut-off Steam Engine, in operation, California Make.
1. Parke & Lacy..... "Westinghouse" Automatic Steam Engine, in operation.
1. John H. Darragh..... Rotary Steam Engine
1. Tatum & Bowen..... The "Safety" Steam Engine
1. H. W. Rice.... Best Portable Steam Engine on Wheels, California Make
1. Baker & Hamilton..... Best Traction and Road Engine
1. E. B. Badlam..... Vertical Engine and Boiler Combined, his own make
1. C. A. King (age 15) ..... Small Vertical Engine, "The Baby," his own make.
1. W. W. Haslehurst..... Link Motion Steam Engine
2. Chas. P. McCarthy.... "Tuerk" Hydraulic Motor for Light Machinery
2. Woodin & Little..... Best Windmill Pumps
2. H. P. Gregory & Co..... Duplex Steam Pump, in motion
3. San Francisco Tool Co..... Best Power Drilling Machine
3. San Francisco Tool Co..... Best Engine Lathe
5. H. H. Bodwell & Son..... Best Windmill
5. Joseph Wagner & Co.... Best General Display of Flour Mill Machinery

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
5.	H. H. Kryger....	Best Display of Roller Process, Flour Mill Machinery
5.	Palmer & Rey....	Printing Press, Machinery and Type Casting Machine, California Make.
6.	Henry R. Taylor.....	Rock (Fine) Crusher for Assayers' and Prospectors' Use.
8.	J. T. Titus.....	Best Hose Coupling
8.	California Fire Apparatus Manufacturing Co....	Carbonic Acid Gas Engine
10.	J. L. Hicks.....	Best Display of Sewing Machines, "New York."
10.	T. F. Hagerty.....	Best Button-hole Machine
11.	Hawley Bros. Hardware Co....	Best Reaper and Mower, with Self Raker
11.	B. F. Pritchard.....	Best Steam Thresher, California Make
11.	Baker & Hamilton.....	Best Thresher and Separator
11.	Hawley Bros. Hardware Co .....	Best Potato Digger
11.	Baker & Hamilton.....	Best Gang Plow, California Make
11.	W. C. Stiles.....	Best Portable Mill for Grinding Grain, in operation
11.	Hawley Bros. Hardware Co....	Best Display of Agricultural Implements
11.	J. V. Lacey.....	Best Sulky Harrow
11.	G. G. Wickson & Co.....	Cream Separator
11.	Baker and Hamilton.....	Best Header
12.	A. G. Kittredge .....	Ornamental Iron Work
12.	Western Chain Works.....	Chains and Chain Work, Forge in Operation
12.	David Kerr.....	Best Truck Axle, California Make
12.	H. Sanders.....	Well Boring Tools, California Make
12.	Payne Bros.....	Bolts, Nuts, etc., California Make
13.	C. D. Harvey.....	Best Hot Water and Steam Heating Apparatus
13.	John E. Myers & Co.....	Oil, Gas and Vapor Stoves, and Gas Cooking Apparatus.
13.	Zeigler Iron Co.....	Stoves and Ranges
14.	Liddle & Kaeding.....	Assortment of Fishing Tackle
15.	Hall's Safe and Lock Co.....	Best Fire-proof Safe
15.	Hall's Safe and Lock Co.....	Best Burglar-proof Safe
15.	Hall's Safe and Lock Co.....	Best Burglar-proof Lock, not attached
16.	Will & Finck.....	Best Carving Sets, California Make
17.	J. Browell.....	Patent Chimney and Plumbago Lining for Chimneys
17.	Granolithic Paving Co.....	Manufactured Stone
18.	Weed & Kingwell.....	Best Plumbers' Goods
18.	Emile Boesch.....	Best Copper Work, California Make
18.	J. T. Titus.....	Best Sewer Trap
18.	Weed & Kingwell.....	Bronze and Composition Castings
18.	Emile Boesch.....	Best Metal Spun Work, California Make
18.	Weed & Kingwell.....	Display of Bells
19.	John Mallon.....	Best Display of Cut and Embossed Glass
19.	S. & G. Gump....	Cabinets, Bric-a-Brac, Engravings and Water Colors
19.	Sanborn, Vail & Co. ....	Mirrors, Picture Frames and Engravings
19.	G. P. Aston & Co.....	Portable Conservatory

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
20.	Kohler & Chase.....	Best Brass Wind Instruments
20.	T. W. Bree.....	Best Stringed Instruments, Banjos, California Make
21.	Larkins & Co.....	Best Hack, California Make
21.	M. J. McCue.....	Best Top Buggy, California Make
21.	Larkins & Co.....	Best Coupe, California Make
21.	M. J. McCue.....	Best Open Buggy, California Make
21.	Larkins & Co .....	Best Top Rockaway, California Make
21.	W. E. Shaw.....	Best Buggy without Paint, California Make
21.	David Kerr.....	Best Four-spring Two-seat Wagon
21.	Larkins & Co.....	Best Ladies' Phaeton, Canopy top
22.	B. F. Farrar.....	Set Parlor Furniture, California Make
22.	Boller Furniture Co...	Bed-room Furniture, Cabinet, Mantels, etc., California Make.
22.	Indianapolis Furniture Co.....	Display of Upholstery
22.	Pacific Spring and Mattress Co.....	Extension Lounge and Sofa Bed
22.	G. W. Clark & Co.....	Decorative Wall Hanging
22.	Wakefield Rattan Co .....	Rattan Furniture
24.	Buchanan Bros.....	Display of Brushes, California Make
25.	Crophy & Sons, Santa Rosa.....	California-tanned Finished Leather
25.	P. F. McNulty.....	Best Boots and Shoes, California Make
25.	L. A. Keister, Chico, Cal.....	Side Saddles
25.	H. H. Kryger.....	Best Eastern Belting, "Hoyt"
26.	Frank Bullard, Woodland, Yolo County....	Pure-bred Spanish Merino Wool.
26.	L. Walker & Son.....	Best Sample of Cotton
26.	H. Liebes & Co.....	Best Lap Robes
26.	S. P. Taylor & Co.....	Best Wrapping and Bag Paper
26.	B. F. Farrar.....	Best Curled Hair, California Make
27.	Newman & Levinson.....	Silk and Woolen Underwear
28.	Joe Poheim.....	Best Dress and Business Suits for Gents
28.	William Sonderup.....	Skin Clothing, California Manufacture
29.	Freud & Son.....	Best Display of Corsets
29.	Mrs. K. M. Stewart.....	Display of Millinery
29.	P. F. Butler.....	Display of Bonnets
29.	Mrs. E. J. Whitman.....	Improved Ironing Board and Pressing Frame
30.	Mrs. C. Murray.....	California-made Latakia Cigars
30.	Sonoma County.....	California Leaf Tobacco
31.	George C. Thompson.....	Soda Water.
31.	Western Perfumery Co....	Best Display of Perfumery, California Make
31.	C. W. Coburn & Co.....	Olive Oil, California make
31.	Pacific Graphite Co.....	Imperial Stove Polish
31.	Henry Lake.....	Best Shoe Blacking
31.	Paraffine Paint Co.....	Paraffine Paint
31.	Pacific Graphite Co .....	Best Lubricant
31.	Hueter Bros. & Co.....	Best Varnishes and Gums

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
31.	C. W. Coburn & Co.....	For Sapolio
31.	Western Perfumery Co.....	Flavoring Extracts and Celery Salt
31.	Wm. T. Coleman & Co..	Display of Candles from San Francisco Candle Company.
31.	Standard Soap Co.....	Best Toilet Soap
32.	D. C. Scott, Ventura County.....	Crude and Distilled Petroleum
32.	Thomas Morton .....	Display of Pacific Coast Coals
32.	Thomas Hildreth.....	Display of Gold Specimens from Fresno Co.
32.	R. S. Falconer.....	Natural Curiosity, Moose's Head
33.	California Cracker Co.....	Display of Cakes and Crackers
33.	George Haas.....	Display of Confectionery
33.	Deming Palmer Milling Co.....	Best Display of Wheat Flour
34.	Arpad Haraszthy & Co.....	Best California Champagne (Eclipse)
34.	A. F. Evans & Co....	Best General Display of Imported Champagne and Mineral Waters.
34.	A. Fenkhausen & Co.....	Display of Rye Whisky
35.	National Brewing Co....	"First Premium " best Lager Beer, California
35.	Fredericksburg Brewing Co.....	Export Lager Beer
35.	Burnell & Turner.....	Best California Ale (Albion)
37.	W. E. Shepman.....	Display of Plated Ware
37.	E. G. Denniston.....	Display of Plated Ware
38.	California Electrical Works....	Best Display of Electric and Telegraphic Apparatus.
38.	Geo. B. Bayley.....	Best Incubator (The Pacific)
38.	Howe Scale Co.....	D. N. & C. A. Hawley, " Howe Scales "
39.	Wm. Beeman.....	Best Artificial Limbs, California Make
39.	Dr. B. Marshall.....	Automatic Operating Lounge
40.	Miss Maggie Butte.....	Lace Work
40.	Mrs. Pauline E. Henn.....	Kensington, Chenille, Arrasene and Silk Embroidery.
42.	Mrs. F. A. Fish.....	Best Collection of Ceramic Art
43.	A. Paltenghi.....	Marble Bust of Victor Emanuel
44.	Carl Eisenschimel.....	Best Pen Drawing
44.	J. P. Donavan.....	Crayon Drawing
44.	H. W. A. Nahl.....	Crayon Drawing
44.	Mrs. C. E. Danielwitz.....	Crayon Drawings
44.	T. R. Southern. ....	Best General Display of Penmanship
45.	A. J. Perkins.....	Landscape Photography
45.	Charles Lainer.....	Retouched Photographs
45.	Charles Lainer.....	Photographs, Crayon Finish
45.	Charles Lainer.....	Best Photographs finished in Oil and Water Colors
45.	Parker & Hult.....	Display of Amateur Photography
46.	Miss Laura Goldsmith.....	Decorated Dining Table, Medal and \$5
47.	R. G. Surdam, Ventura County.....	Display of Dried Fruit
47.	Sonoma County.....	Second best Display of Farm Products

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
47.	Ventura County.....	Best Display of Wheat in Grain and Sheaf
47.	Sonoma County.....	Best Display of Barley in Grain and Sheaf
47.	Sonoma County.....	Best Display of Oats in Grain and Sheaf
47.	Sonoma County.....	Best Display of Rye in Grain and Sheaf
47.	Ventura County .....	Corn in Ear and Stalk, excellence and variety considered.
47.	Fresno County...	Best Display of Hops by County, not less than 25 lbs.
47.	Fortmann & Co. (Pacific Brewing Co.)...	Chevalier Barley in Grain for Brewing.
47.	Fortmann & Co. (Pacific Brewing Co.).....	Best Display of Hops for Brewing purposes.
47.	Ventura County.....	Best Display of Jelly in Glass, home made
47.	Mrs. L. H. Moise.....	Best Display of Fruits in Glass, home made
47.	Mrs. L. H. Moise.....	Best Display of Jams in Glass, home made
47.	J. B. Whitcomb.....	Display of Table Grapes
47.	T. C. White, Fresno, Cal.....	Best Display of California Raisins
47.	Fresno County .....	Best General Display of Vegetables
47.	Wm. Shively, Rio Dell, Humboldt County.....	Fine Display of Apples
47.	J. J. Morrison and E. W. Maslin, Plumas, Placer County.....	Exhibit of Fruit and Vegetables.

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## BRONZE MEDALS.

1.	San Francisco Tool Co.....	High Speed Steam Engine in operation
1.	H. Slocomb & Co.....	Lubricator
1.	Whyte & De Rome.....	Lubricator
1.	J. E. Tucker.....	Lubricator
3.	San Francisco Tool Co.....	Best Shaping Machine
3.	Tatum & Bowen....	Best Emery Wheel in operation
4.	H. P. Gregory & Co.....	The Pacific Band Saw
5.	Examiner Publishing Co....	Stereotype Plates and Cuts
6.	David B. James.....	Mining Car
7.	E. W. Melvin .....	Best Hand Washing Machine
8.	J. Bien.....	Portable Fire Escape
9.	C. F. Farciot.....	Steam Launch, made in Alaska
11.	California Fire Apparatus Manufacturing Co.....	Portable Spray Pump
11.	Byron Jackson.....	Best Feeder for Threshing Machine
11.	Hawley Bros. Hardware Co.....	Best Riding Cultivator
11.	David Bradley Manufacturing Co.....	Best Sulky Hay Rake
11.	G. G. Wickson & Co.....	Best Harrow, California Make
11.	G. G. Wickson & Co.....	Best Hay and Straw Cutter

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
11.	Hawley Bros. Hardware Co.	Best Corn Sheller
11.	Leach & Hunt.	Best Honey Extractor
11.	John Christian.	Best Thresher Teeth
11.	Baker & Hamilton.	Best Disc Harrow
11.	Hawley Bros. Hardware Co.	Best Tree Digger
13.	Wiester & Co.	Improved California Oil Stove
13.	John F. Myers & Co.	"Daisy" Oil Stove
13.	Albrecht & Waters.	Gasoline Stoves
13.	Duffy & Williams.	Patent Tubular Boilers and Tea-kettles
13.	J. M. Duncan.	French Ranges
13.	S. G. Williams & Son.	Mantel Grates with Patent Shaking Attachment
18.	Weed & Kingwell.	Best Assortment of Steam Fittings
18.	A. S. Graff.	Best Display of Lamps
18.	Emile Boesch.	Best Zinc Ornamental Work
18.	Chas. Welchman.	Best Water Filter, "Maignen's Patent"
18.	Gas Consumers' Association.	Best Gas Regulator
19.	E. T. Steen.	Movable Window Seats
20.	Kohler & Chase.	Best Cornets, California Make
20.	Sherman, Clay & Co.	Best Pianos (Imported)
20.	George Stroh.	Amateur Banjos
20.	Kohler & Chase.	Best Display of Music Boxes
21.	R. F. Killey.	Open Road Wagon
21.	W. E. Shaw.	Best Village Cart
21.	Osborn & Alexander.	Best Bicycle
21.	Osborn & Alexander.	Best Tricycle
22.	Pacific Spring and Mattress Co.	Best Spring Beds
22.	Boller Furniture Co.	Best Wardrobe and Hat-rack
22.	Indianapolis Furniture Co.	Best Office Desk
22.	G. W. Clark & Co.	Best Display of Wall Paper
22.	G. W. Clark & Co.	Best Display of Window Shades
22.	Burr Folding Bed Co.	Best Folding Bed
22.	E. H. Marwedel.	Best Brass Bedsteads
24.	Fortmann & Co.	Brewers' Cooperage
25.	W. T. Y. Schenck.	Garden and Fire Hose
26.	H. Liebes & Co.	Best Display of Carriage Robes
26.	Standard Soap Co.	Best Display of Staple Soaps
28.	J. H. Kruger.	Display of Canes
29.	Kelly Bros.	Easy Fitting Corsets
30.	Quigley & Son.	Display of Cigarettes, California Make
33.	L. G. Sresovich & Co.	Desiccated Cocoanut
38.	Electrical Supply Co.	Display of Electric and Telegraphic Apparatus
38.	A. Lietz & Co.	Surveyor's Level, good Workmanship and other Instruments.
38.	California Electrical Works.	Best Automatic Fire Alarm Apparatus
38.	Paul Seiler.	Best Electric Hotel Annunciator

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
38.	Electrical Supply Co.	Best Galvanometer, Rheostat and Key in one case
38.	John Taylor & Co.	Best Display of Assaying Apparatus
39.	A. A. McLean	Best Truss (I X L Elastic)
39.	G. W. Leek	Best Specimens of Dentistry
40.	Mrs. C. M. Carlson	Arrasene, Chenille, Kensington, Filloselle and Ribbosene, Plush Work, etc.
42.	Mrs. Theresa Corlette	Best Specimens of Painting on Pottery, (12 pieces.)
42.	Mrs. Wm. Irelan	Best Single Specimen Painting on Pottery
42.	Mrs. Helen Brodt	Best Specimen Painting on Porcelain by a Professional.
42.	Miss Hattie Parish	Best Specimen Painting on Porcelain by an Amateur (12 pieces.)
42.	Mrs. N. E. Boyd	Best Collection of Decorative Art in Oil and Water Colors.
42.	Mrs. L. C. Kelly	Best Single Specimen of Painting in Water Colors
42.	Miss Helen Philip	Best Specimen of Encaustic Tile
42.	Miss J. Addison Smith	Best Kensington Painting
42.	Mrs. Wm. Irelan	Best Lustra Painting
42.	Mrs. H. F. Orvis	Best Painting on Velvet
42.	Mrs. C. M. Carlson	Best Painting on Plush
42.	Chris. Wismer	Best Painting on Glass
42.	Mrs. Henry Newman	Best Painting on Glass by an Amateur
42.	Miss Susie E. Sroufe	Best Painting on Wood
42.	Miss E. Stallman	Best Painting on Tin
42.	Miss Mary Bailey	Best Painting on Satin
42.	Mrs. J. N. Holt	Best Painted five-fold Screen
42.	Mrs. M. E. Fountain	Best Painted three-fold Screen
42.	Mrs. F. A. Fish	Best Single Screen
42.	Mrs. L. M. Curtis and H. G. Peelor, San Jose	Best Painted Plaque
42.	Miss E. Delahaye	Best Painting on Silk and Porcelain
43.	Miss Ethel Corlette	Oxidized Heads
44.	The Michigan Portrait Co.	Portraits
44.	T. R. Southern	Pen Lettering and Engrossing
45.	A. J. Perkins	Finished Photographs
45.	Charles Lainer	Best Photographic Group
45.	Julius Joshua Klain	Stereoscopic Views

## DIPLOMAS.

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
1.	San Francisco Tool Co.....	Best Check and Foot Valves
1.	H. P. Gregory & Co.....	Atlas Engine
1.	C. F. Marwedel.....	Small Vertical Engine
1.	Woodin & Little.....	Brass Pump, Cylinder and Valves
1.	John Mailer..	Patent Furnace Grate Bar and Self-feeding Boiler Furnace
1.	W. T. Y. Schenck.....	Flax Packing
1.	W. T. Y. Schenck.....	Water Gauge Glasses
2.	Geo. H. Tay & Co.....	" Backus " Water Motor
2.	Woodin & Little .....	Best Display of Hand Pumps
3.	S. F. Tool Co.....	Best Shaft Coupling
3.	C. F. Marwedel.....	Display of " Prentiss' Vises "
4.	Wm. Banks .....	Combined Wood Planer and Edger
5.	Frank Loftis.....	Safety Guard for Cable Cars
5.	Petaluma Foundry and Machine Works.....	Model of Wine and Cider Press.
5.	Fred. S. Jones.....	Cake Mixing Machine
5.	C. W. Coburn & Co.....	Patent Stopper
5.	F. W. Krogh & Co.....	Windmills
5.	L. Cutting .....	Device for Turning Eggs in Incubator
5.	J. P. Forbes.....	Weighing and Measuring Jar
5.	George V. Blackman.....	National Cash Register
5.	C. W. Weston.....	Patent Fire Kindler
5.	Willis & Landgrane.....	Fare Box and Change Gate
5.	D. S. Ciphers.....	Popcorn Machine
5.	G. G. Wickson & Co.....	Type Writer
5.	G. G. Wickson & Co.....	Stenographs
5.	A. Bosche.....	Model of Hydraulic Dirt Conveyor
5.	G. G. Wickson & Co.....	Pneumatic Copying Press
5.	H. B. Angell.....	Model of Dredging Machine
5.	Wiester & Co.....	Roller Skates
6.	David B. James..	Rocking Stamp Mill
6.	J. F. N. Macay.....	Rotary Decanting Filter
6.	E. G. Denniston.....	Silver-Plated Amalgamating Plate
7.	California Manufacturing Co...	Best Hydraulic Clothes Washer (Danne-meyer's Patent.)
7.	E. W. Melvin.....	Best Wringer in operation
7.	E. W. Melvin.....	Best Clothes Drier
7.	Keystone Wringer Co.....	Wringers
7.	Mrs. A. D. Waldron.....	Wooden Washerwoman
7.	E. Warbass.....	Self-heating Flat Iron
8.	W. T. Y. Schenck.....	Hose Reel

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
8.	California Fire Apparatus Manufacturing Co.	Fire Department Supplies
9.	C. F. Peters.	Models of Vessels
9.	John Laird (age 14).	Model of Iron-clad Man-of-War
10.	T. S. Clark & Son.	Wire Weaving Machine in operation
11.	Baker & Hamilton.	Best Mower
11.	David Bradley Manufacturing Co.	Best Walking Cultivator
11.	Hawley Bros. Hardware Co.	Best Sulky Plow
11.	Baker & Hamilton.	Gem Seed Sower
11.	R. J. Knapp.	Best Side-hill Plow
11.	Hawley Bros. Hardware Co.	Best Seed Drill
11.	Baker & Hamilton.	Best Plow for General Purposes
11.	C. F. Bauer.	Best Vegetable Cutter
11.	G. G. Wickson & Co.	Best Barrel Churn
11.	Ira Bishop.	Best Sack Elevator
11.	Woodin & Little.	Best Sprinkler
11.	G. G. Wickson & Co.	Best Singletree
11.	Woodin & Little.	Best Spray Pump
11.	August David.	Grape Stemmer
12.	H. W. Hammond.	Samples of Steel
12.	W. H. De Prine.	Horseshoes
12.	G. W. Pennington & Son.	Steel drawn from Ingots
13.	Geo. H. Croley.	Sealing Wax Strings for Fruit Jars
13.	Mrs. S. B. Long.	Improvement on Gas Stoves
13.	Hunter & Shackleford.	Draft Regulator
13.	Albrecht & Waters.	Flat-Iron Heater
13.	Duffy & Williams.	Gas Logs
13.	W. H. Richardson.	Smoke-Consuming Stove
13.	M. E. Phillips.	Vapor Stoves
13.	E. H. Farmer.	"Wolsey" Steam Generator for Cooking Purposes
14.	Schneider & Arey.	Explosive Whale Lance
14.	Mrs. F. M. Truworthy.	Best Stencils, California Make
14.	John S. Benn.	Best Artificial Flies, California Make
17.	M. Scholl.	Chimney Caps
17.	Chas. Sutton.	Artificial Stone
17.	S. P. Kimball.	Puzzuolano Cement
17.	John Taylor & Co.	Display of Cut Glass
18.	R. F. Bush.	Automatic Gas Burners
19.	C. W. Wescott.	Window Sash Steadier
19.	Mrs. George Atkinson.	Turned Articles from California Wood
19.	Wm. Bateman.	Wire Window Screen
19.	John Ohnimus.	Ornamental Glass Sign
19.	A. C. Farnsworth.	Bronze Hardware for Architectural Work
19.	Geo. V. Blackman.	Door Knob and Gravity Lock
20.	Sherman, Clay & Co.	Best Cornets (Conn's)

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
20.	Chas. Morrell.....	Display of Banjos, California Make
20.	Peter Stolberg.....	Best Drum Head, California Make
21.	W. Larkins & Co .....	Best Specimen of Carriage Blacksmithing
21.	Carvill Manufacturing Co.....	Best Sulky, California Make
21.	Thomas Maier & Co.....	Bakery Wagon
21.	Baker & Hamilton.....	Four Spring Wagons
21.	C. W. Burgtoft.....	Road Cart
21.	Baker & Hamilton.....	Buckboard
21.	C. J. Willis .....	Pony Cart
22.	Pacific Spring and Mattress Co.....	Best Easy Chair
22.	G. B. Studley.....	Fibre Chair Seating
22.	B. F. Farrar.....	Best Metal Spring Bed Bottom
22.	B. F. Farrar.....	Best Hair Mattress
22.	T. S. Clark & Son.....	Best Camp Supplies and Household Goods
22.	C. M. Peck.....	Best Pillow Sham Holder
22.	R. F. Osborne & Co.....	Brass Curtain Poles
22.	T. S. Clark & Son.....	Best Woven Wire Mattress
22.	Lock Spring Mattress Co.....	Best Lock Spring Mattress
24.	Keystone Wringer Co.....	Best Carpet Sweeper
24.	Mrs. S. M. Fenton.....	Dishwasher and Mop
24.	G. J. Farnsworth.....	Ice Cream Freezer
24.	Wiester & Co.....	Best General Display of Household Utensils
24.	John F. Meyers & Co. ....	Steam Fruit Canner
24.	J. M. Conner & Co.....	Patent Kettle and Safety Cover
24.	J. M. Conner & Co.....	Improved Bread Pan
24.	L. H. Moise.....	Steam Fruit Canner
24.	S. M. Everingham.....	Combination Ladder and Step-Ladder
24.	T. A. Byler.....	Patent Coffee Pot
25.	Tatum & Bowen .....	Eastern Leather Belting
25.	Fisher & Burgess.....	Horse Collar with Patent Clasp
26.	Samuel Hill, Ventura County.....	Leicester Wool
26.	H. B. Flint, Ventura County.....	Display of Wool
26.	Julius Weyand; Little Stony, Colusa County.....	Samples of Mohair
26.	E. W. Woolsey, Fulton, Sonoma County.....	Spanish Merino Wool (6 months' growth.)
26.	J. B. Hoyt, Suisun, Solano County.....	Shropshire Wool Display
26.	L. Walker & Son.....	Best Exhibit Scoured Wool
26.	Samuel Bloom....	Best Exhibit of Pulled Wool
26.	H. Liebes & Co.....	Furs, Cleaned and Dyed
26.	O'Neil Bros. & Co., Santa Cruz.....	Straw Wrapping Paper
27.	T. S. Clark & Son.....	Stair Pads and Lining
27.	F. Thomas.....	Best Cleaned and Dyed Articles
27.	J. Spaulding & Co.....	Best Preparation and Process for Renovating Carpets, etc.
28.	J. M. Litchfield.....	Best Display of Military Goods

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
28.	J. M. Litchfield.....	Best Display of Regalias
29.	Mrs. Sophie Gehret.....	Corsets, Corset Strings and Steel
29.	A. S. Balny.....	Ostrich and Fancy Feathers
29.	Davidson, Shuster & Co.....	Dress Cutting System
29.	Mrs. S. Tregallis.....	Dressed Figures, Dressmaking
29.	W. M. Loudon.....	Adjustable Dress Forms
29.	T. F. Hagerty.....	Machine-made Button-holes
29.	J. Levinson.....	Embroidery Frame
29.	Mrs. Joseph Sexton.....	Palm Works
29.	August Krempser.....	Plush and Leather Fancy Goods
29.	John F. Snow.....	Refinished Crepe
30.	Quigley & Son.....	Fine Cut Plug and Smoking Tobacco
31.	Downing & Schmidt.....	Display of Florida Water
31.	James G. Allen.....	Display of "Dixon's" Pencils, Stove Blacking, Crucibles, Polish, etc.
31.	Standard Soap Co.....	Display of Perfumes and Extracts
31.	Bothin Manufacturing Co.....	"Greer's" California Perfumes
31.	J. N. Souther & Co.....	"Abernethy's" Green Ginger Brandy
31.	T. P. Hooper.....	Tolenas Mineral Water
31.	University of California.....	Samples of Camphor, California Make
31.	A. F. Evans & Co.....	Display of Scourene
31.	L. H. Moise.....	Matchless Metal Polish
31.	J. N. Souther & Co.....	Flavoring Extracts
31.	B. F. Wellington.....	Improved Egg Food
31.	G. G. Wickson & Co.....	Imperial Egg Food
31.	Celery, Beef and Iron Co.....	Celery, Beef and Iron
31.	Wm. Hawver .....	Water of Life
31.	Forbes & Plaisted.....	Castilian Water
31.	Dr. J. Renz.....	Blackberry Brandy
31.	California Glue Works (M. Holje).....	Display of Neat's Foot Oil, California Make.
31.	Harrison Hopper.....	Best Lubricating Oil
32.	Deseret Crystal Salt Co., White Plains, Nevada.....	Pure Salt
33.	J. T. Cutting & Co.....	Display of Germea
33.	W. A. Pettijohn.....	Breakfast Gem
33.	J. T. Cutting & Co.....	Display of Zeatine
33.	L. F. Dolder.....	German Pickles
33.	H. B. Birnbaum.....	"Cibils'" Extract of Beef
33.	Deming Palmer Milling Co.....	Best Display of Farinaceous Articles
33.	Deming Palmer Milling Co.....	Best Display of Cornmeal and Buckwheat Flour.
33.	Deming Palmer Milling Co.....	Patent Steel-cut Oatmeal
33.	Deming Palmer Milling Co.....	Flake Pearled Wheat
34.	E. J. Baldwin.....	Best Red Burgundy
34.	E. J. Baldwin.....	Best Zinfandel Claret

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
34.	E. J. Baldwin.....	Best New Brandy
34.	E. J. Baldwin.....	Best Brandy of any age
34.	Gundlach & Co .....	Best White Wine
34.	Gundlach & Co.....	Best Port Wine
34.	Gundlach & Co.....	Best Metaro Claret
34.	Arpad Haraszthy & Co.....	Best Sauterne
34.	Arpad Haraszthy & Co.....	Best Malaga
34.	Gundlach & Co.....	Best Tokay
34.	J. Mathews, Napa.....	Best Sherry Wine, California Make
34.	Arpad Haraszthy & Co.....	Best Angelica
34.	Gundlach & Co.....	Best Red Burgundy
34.	Arpad Haraszthy & Co.....	Best Muscatel
34.	J. H. Drummond, Glen Ellen, Sonoma Co.....	Best Reisling Wine
34.	J. H. Drummond, Glen Ellen, Sonoma Co.....	Best Red Wine (Claret Type).
34.	Arpad Haraszthy & Co.....	Best Madeira
34.	J. H. Drummond, Glen Ellen, Sonoma Co.....	Best Gutedel
34.	Arpad Haraszthy & Co.....	Best Brandy (four years old)
34.	The Winchester Distilling Company.....	Best Whisky, "Rutland Sour Mash."
34.	Robert Barton, Fresno.....	Best Burger Wine
35.	A. F. Evans & Co.....	Best Imported Beer (Weiner Beer, Milwaukee)
35.	Burnell & Turner. ....	Best California Porter (Albion)
36.	W. M. Cubery.....	Samples of Printed Cards
37.	E. J. Denniston.....	Best Display of Nickel-plated Ware
37.	Arthur O. Gott.....	Workmanship in Watch-making
38.	Thomas Tennent.....	Artificial Horizon for Sextants
38.	California Electrical Works.....	Best Burglar Alarm
39.	Acme Bath Manufacturing Co.....	Best Portable Bath Apparatus
39.	H. A. Matthews.....	Best Display of Audiphones
40.	Martha Phoites.....	Embroidered Table Cover
40.	Mrs. Eliza O. Roebuck.....	Silk Quilt
40.	Ventura County .....	Lace Work, Tapestry Pictures, Fern Work, etc.
40.	Mrs. Julia Garrick.....	Lace Bed Spread
40.	Miss Tillie Anderson.....	Hair Work
40.	Bertha Altman.....	Embroidered Pictures and Lace Pillow Shams
40.	Miss Katie Thompson.....	Lace Bedroom Set
40.	Miss Nellie Hughes.....	Calico Patch Quilt
40.	Miss Anita Alger...	Embroidery
40.	Miss Dora Woods.....	Crazy Quilt
40.	Mrs. G. A. Cash .....	Crazy Quilt
40.	Mrs. E. Claymore.....	Tapestry Pictures
40.	Mrs. Frank Bradley.....	Crazy Quilt and Pillow Shams
40.	Miss Elliott McDonald.....	Fire Screen
40.	Mrs. P. S. Blackman.....	Embroidery

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
40.	Mrs. E. S. Brown .....	Prepared Ferns
40.	Mrs. C. L. Jones.....	Crazy Quilt
40.	Buford Free Kindergarten, Miss Alice J. Cullen, Principal..	Fancy Work
40.	Newman & Levinson.....	Embroidery
40.	Mrs. J. F. Bolts.....	Dressed Pictures
40.	Miss Kate Heffernan.....	Log Cabin Quilt
40.	Madame Perrault.....	Quilt Patchwork
40.	Miss A. M. Favor....	Fancy Needlework
40.	Mrs. W. D. Forrest.....	Embroidered Silk Quilt
40.	Mrs. Theresa Corlette.....	Skeleton Leaves
40.	Mrs. Corinne Collins.....	Piano Scarf and Screen
40.	Jennie Ferris.....	Bed Spread and Pillow Shams
40.	Mrs. Chas. Stone.....	Embroidered Plaque and Fan, Oriental Work
40.	Mrs. J. Hitz.....	Curios, Shells, etc.
40.	Wm. Spilling.....	Work Basket and Stand, Made of Rope
40.	Mrs. R. J. Spaulding.....	Horticultural Picture Frame
40.	Chas. Peake & Co .....	Rugs and Rug Machine
40.	Mrs. H. Stettin.....	Linen Embroidery
40.	Miss Emilie Horstman.....	Lace Spread
40.	Mrs. P. D. Bernhard.....	Lace Work
40.	Miss J. Addison Smith.....	Embroidery
40.	Mrs. S. H. Parsons.....	Velvet and Plush Quilt
40.	Miss M. King.....	Wax Flowers
40.	T. B. Anthony.....	Japanese Embroidery
40.	Miss Sophie Waiss.....	Crochet Quilt
40.	N. W. Rountree.....	Kensington Quilt
40.	Mrs. E. P. Foster.....	Palm Basket
40.	Young Women's Christian Temperance Union.....	Temperance Work
40.	Miss H. Dederky.....	Hand-Knit Bed Spread
40.	Maggie C. Corr.....	Air Castle
40.	Fred. Wagner.....	Sugar Flowers
42.	Miss Queenie Holland (eleven years old).....	Painting on Velvet
42.	Miss Bertha Schleicher.....	Specimen of Painting
42.	Amelia Ochs.....	Specimen of Painting
42.	Mrs. E. W. Dow.....	Specimens of Painting
42.	Miss Ida D. White...	Specimens of Painting
42.	Mrs. Claymore .....	Specimen of Painting
42.	Mrs. W. T. Ross.....	Specimen of Painting
42.	Miss May Garrette.....	Specimen of Painting
42.	Mary Tape.....	Specimen of Painting
42.	Newman & Levinson.....	Specimens of Painting
42.	Mrs. L. M. Curtiss and H. G. Peelor, San Jose..	Specimens of Painting on China.
42.	M. H. Moore.....	Specimen of Painting
42.	A. McElroy.....	Specimen of Painting

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
42.	Miss Grace Collins .....	Specimens of Painting
42.	Miss Margaret Dent.....	Specimens of Painting
42.	Robert Shields-Aslachsen.....	Specimens of Painting
42.	M. Shea. ....	Specimens of Painting
42.	Fred. Schultz.....	Glass Picture (Diana hunting)
42.	Mrs. W. J. McDougall.....	Specimen of Painting
44.	S. Levy ... .....	Display of Crayon and Pastel Drawings
44.	S. & J. C. Newsome.....	Architectural Drawing
44.	Wm. Armitage.....	Cartoons in Crayon (his own design)
44.	Mrs. M. E. Richardson.....	Portrait
44.	Master Arthur C. Nahl.....	Crayon
44.	Miss C. E. Usher....	Crayon Drawing
44.	S. Michelson.....	Portrait
44.	Master Perham W. Nahl.....	Crayon
44.	H. G. Peelor.....	Perspective Drawing
44.	T. R. Southern.....	Card Writing
44.	John Roberts, Mechanics' Institute Drawing Class..	Original Mechanical Drawing.
44.	Albert Owen, Mechanics' Institute Drawing Class..	Mechanical Drawings
44.	G. F. Schild.....	Naval Architectural Drawings
44.	J. B. Monaca.....	Pastel Painting
44.	G. F. Schild.....	Amplifier for Enlarging Drawings
45.	Julius Joshua Klain.....	General Display of Photographic and Landscape Views.
45.	A. S. Keser.....	Collection of Fancy Programmes
45.	J. C. Brewster...Photographic Views of Scenery in Southern California	
46.	A. Duhem.....	Display of Cut Flowers
46.	Miss Minnie Provost.....	Floral Design
46.	Mrs. J. H. Garden.....	Floral Bouquet
47.	Ventura County.....	Best General Display of Fruit by Producer
47.	W. W. Broughton, Lompoc, Santa Barbara County.....	Best General Display and Variety of Apples.
47.	Fresno County.....	Best Display and Variety of Pears
47.	Fresno County.....	Best Display and Variety of Peaches
47.	A. D. Pryal, North Temescal.....	Best Display and Variety of Plums
47.	J. S. Harvey, San Diego.....	Best Display of Citrus Fruit
47.	Fresno County .....	Best Display of Table Grapes
47.	J. H. Drummond, Glen Ellen, Sonoma Co....	Best Display and Quality of Wine Grapes.
47.	Eisen Ranch, Fresno County.....	Best General Display of Grapes by Producer.
47.	Ventura County.....	Best General Display of Dried Fruits
47.	Hanford Fruit Drying Co., Hanford.....	Five Varieties of Dried Fruit
47.	Ventura County.....	Best Display of Cultivated Nuts
47.	G. P. Laird, Santa Cruz County.....	Best Display of Cheese

CLASS.	NAME OF EXHIBITOR.	ARTICLE.
47.	Ventura County .....	Best Display of California Honey
47.	Nectar Jelly Factory.....	Display of Jelly
47.	Petaluma Fruit Packing Co.....	Preserved Fruit in Glass
47.	Robert Barton, Fresno.....	Burger Wine Grapes
47.	J. J. Morrison and E. W. Maslin, Placer County..	Display of Vegetables
47.	J. C. Flood, San Mateo County.....	Display of Apples
47.	Mrs. T. G. Shepherd, Ventura County.....	Flower Seeds (60 varieties)
47.	Sonoma County....	Display of Unpressed Hops
47.	Gustav Eisen.....	Best Dried Figs

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## CASH AWARDS.

(See Classes 41, 46, 47.)



# REPORTS

— FROM —

## STANDING COMMITTEES

— OF THE —

# INDUSTRIAL EXHIBITION.

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### **BUILDING.**

YOUR committee on Building submit this, their report, on matters connected with their department during the Twentieth Industrial Exhibition.

There have been but few changes to note in the Pavilion Building during this Fair, hence expenses in this department were not so large as usual. The placing of the fountain near the Polk street end was a change from the usual mode of having it in the center of the main floor, and, we believe, has given general satisfaction. The Art Rooms have been wainscoted 12 feet high throughout, and also painted, which the Artists claim to have been a great improvement in that direction. By patching the floors where found necessary, the same has been made to look as well as new. A portion of the front on Larkin street, up to a certain height; with all the doors and entrances, has been painted and gives the front a better appearance from outside. Much cleaning, whitening and painting has also been done on the outside and around the different offices, all of which may be classed as permanent improvements. Most of the material purchased was used in erecting tables, booths, etc., for the accommodation of the exhibitors at the Fair.

Your committee have also replaced the stage and seats where they belong, all the material used for this purpose having been stored in the basement. It is no small job to get this amount of material up from there and re-erect the same where it belongs. Some new material had to be used for both the stage and seat platforms, which are now placed in proper order and condition for the use of occupants. Various and many small repairs have been made throughout the building; in fact, so many, that they are too numerous to mention, so we speak of them in this way to show that they consume

more or less labor and material. We are of the opinion that the Pavilion Building has given general satisfaction during the Fair, for the reason that we have no recollection of any complaints against the structure. We mention this in connection with this report on account of the great number of persons who passed in and out of the building, nearly 20,000 in one day.

The various expenses incurred in this department will be found under its proper head in the Financial Report of the Twentieth Industrial Exhibition.

Respectfully submitted,

D. A. MACDONALD,

J. R. WILCOX,

DAVID KERR,

Committee.

### **POWER AND MACHINERY.**

YOUR committee, to whom was allotted the duty of providing Power, Machinery, Lighting and Water during the continuance of the Twentieth Industrial Exposition of the Mechanics' Institute, are pleased, at the conclusion of their labors, to present the following report:

Before the opening of the Exposition it was deemed prudent to increase the steam capacity, and, with that view, certain repairs were made to the two boilers in place in the building, and also to the Llewellyn Heater; and by an order of the Board of Directors an auxiliary boiler was rented and placed in position at a cost of \$150, and an ample supply of steam was thereby provided for the use of exhibitors.

There were also fitted five lengths of 3-inch shafting, with seven hangers, to the main line of shafting, in order to connect with the Engine Exhibit made by Messrs. W. T. Garratt & Co. The expenses of the above are included in the following statement, viz:

#### **COST OF POWER AND MACHINERY.**

Repairs and Additions to Machinery.....	\$ 626 22
Rent of Boiler, as above.....	150 00
Coal Bill (for 3 boilers).....	633 45
Total Disbursements.....	\$1,409 67

The coal bill for the year 1884 was \$650 70; but, although three boilers were fired this year, the cost of making steam was only \$633 45, and a larger quantity used.

The following is a complete list of the machinery not in place or use, and is stored and on hand:

	No.	DIAMETER.	FACE.	BORE.
Pulleys	1	30 in.	20 in.	3 in.
"	1	30 "	18 "	3 "
"	2	30 "	12 "	3 "
"	1	30 "	8 "	3 "
"	1	18 "	10 "	2½ "
"	1	16 "	8 "	2½ "
"	1	16 "	8 "	3 "
"	1	12 "	6 "	2½ "
"	1	10 "	11 "	2½ "
" (Wood)	1	36 "	16 "	
" (Wood)	1	16 "	12 "	
Fly Wheels	2	44 "	7 "	3 in.
Sheaves	4	26 " for $\frac{5}{8}$ -inch Wire Rope.		2 "
"	2	36 " for $\frac{3}{4}$ -inch "	"	3 "

	No.	SIZE.	LENGTH.
Shafting	1	3 inch.	12 feet 9 inches.
"	1	2 $\frac{5}{8}$ "	12 "
"	1	2 $\frac{5}{8}$ "	13 "
"	1	(with 3 Pulleys).	

Couplings, 1 pair, 3 inch.

Bracket Boxes, 16, 3 inch; 1, 4 inch.

Hangers, 3, 2 $\frac{5}{8}$  inch.

Crosses for Water Pipe, 2 (cast iron), 3 inch.

Slide Gate for Water Pipe, 1, 5 inch.

Six feet Casing, 5 inch.

4 lengths wrought iron Tubing, 8 in., 20 feet long; 1 length wrought iron Tubing, 8 in., 12 feet long; 6 lengths deep well Tubing, 7 in., 18 feet long; 1 length deep well Tubing, 7 in., 9 feet long.

6 pieces Suction Hose (wired) 11 feet long; 1 piece Steam Hose, 2 $\frac{1}{2}$  in., 6 feet long; 1 piece Steam Hose, 2 $\frac{1}{2}$  in., 8 feet long; 1 piece Rubber Hose, 6 in., 6 feet long.

One Deep-Well Pump, at W. T. Garratt & Co.

One Old Heater.

One Old Governor.

#### COST OF LIGHTING AND WATER.

Expenses incurred in illuminating within and outside of the Exposition Building:

Gas consumed, 895,700 cubic feet @ \$1.40.....	\$1,254 00
Electric Lights.....	300 00
Gas Fittings and attendant expenses.....	651 21
 Total Disbursements.....	\$2,175 21
Reimbursed by Exhibitors.....	111 50
 Cost of Water for all purposes, 4 5-10 Weeks.....	483 30
 Total cost of Light and Water.....	\$2,547 01

In the above items of expenses are included the cost of new piping and fittings for leading to and supplying the fountain, and for other purposes about the building.

The institution of a comparison of the consumption of gas in the years 1884 and 1885 shows the following:

Gas consumed in 1885.....	895,700	Cubic feet,
" " " 1884.....	797,700	" "
Excess 1885 over 1884.....	98,000	" "

This excess of consumption is accounted for by the fact that 173 more lights were burning during each evening than there were in 1884 and that on many evenings during this season the time of closing the building was extended beyond the usual and allotted time.

Respectfully submitted,

S. J. HENDY,

JAS. SPIERS,

BYRON JACKSON,

Committee.

### TICKETS AND ADMISSIONS.

YOUR committee on Tickets and Admissions beg leave to present the following report of their transactions during the Twentieth Industrial Exhibition:

The Printing Committee printed and delivered to this committee, in accordance with designs and samples approved by the Board, the following different kinds of Admission Tickets, viz.:

6,000 .....	Double Season Tickets
1,500.....	Single " "
1,000.....	Children's " "
1,000.....	Apprentices' " "
1,000.....	Employees' " "
500.....	Complimentary " "
250.....	Press " "
250.....	Jurors' " "

The Printing Committee finding that the Single Admission Tickets for Adults and Children used during the Nineteenth Fair had been preserved and were in good condition, took an account of the same, stamped them with the date "1885", and issued the following amounts to this committee, viz.:

6,974.....	Adults' Single Admission Tickets
1,922.....	Children's " " "

Your committee, as directed by the Board, caused to be printed 33,100 Single Admission Tickets for the free admission of scholars attending the

public schools of this city; although, by altering dates on tickets and issuing them twice, in all, 37,000 were issued for the above purpose.

The expenses incurred by the committee were as follows:

Printing, Sealing and Countersigning the Double, Single, Children's, Apprentices' and Employees' Season Tickets.....	\$55 00
Printing the Complimentary, Press and Jurors' Season Tickets.....	11 00
Electrotype for Countersigning.....	5 50
Printing 33,100 Tickets for School Children .....	41 39
Total.....	\$112 89

The Complimentary Tickets were issued by the President, the Press and School Tickets by this committee, and the Jurors' by the Secretary and Assistant Secretary; all other forms of tickets were issued by the Treasurer, whose ticket statement we have examined and find correct. We therefore refer the Board to the Treasurer's report for account of tickets sold, and excursion receipts.

The system of identifying holders of Season Tickets, and punching the tickets to register admissions, was the same that gave satisfaction during the two previous Fairs.

The committee is of the opinion, that in future, when Complimentary Tickets are issued, the identifying form be adopted, in other words, that there be a complimentary form of our present Double Season Ticket.

The attention of those composing the Ticket Committee next year should be called to the necessity of providing additional safe-guards in the issuance of the cheap Apprentices' Season Tickets, which are sold, according to the action of the Board, at the low price of \$1 50 for the season. There is no doubt that many of the certifications to apprenticeship this year were false, and that the favor extended by the Institute to *bona fide* apprentices has been taken advantage of by those not entitled thereto.

Double and Single Season Tickets were sold to members of the Institute at half rates; the numbers sold were:

1,355 Double Season Tickets, amounting to.....	\$3,387 50
49 Single     "     "     "     .....	73 50
Total.....	\$3,461 00

840 Double and 57 Single Season Tickets were sold during the Eighteenth Fair, amounting to ..... \$2,185 50

1,096 Double and 71 Single Season Tickets were sold during the Nineteenth Fair, amounting to ..... \$2,846 50

This committee issued to reporters and representatives of the Press 86 Double Season Tickets, 16 Single Season Tickets, and 24 non-identifying transferable Press Tickets for reporters of the leading papers of this city; in

all, 126 tickets. In addition, the proprietors of the leading Press of this State, and proprietors of all the papers on this coast furnishing our library with free copies of their Journals, received Complimentary Tickets from the President.

Respectfully submitted,

W. P. STOUT,

## COLUMBUS WATERHOUSE,

JAMES SPIERS,

### Committee.

## **MUSIC, DECORATION AND ART.**

Your committee on Music, Decorations and Art beg to submit the following report:

The Music was rendered in the most elaborate manner by Mr. Charles Schultz, and Band and gave the most exquisite satisfaction to the general and classically educated of the large audience assembled in the Pavilion. The member of the committee who had the general supervision of the musical portion of the committee's duties, endeavored to gratify the various tastes of our cosmopolitan population by rendering on various nights the national and popular airs of the principal countries that have a larger or smaller representation on this coast. A great addition to the Music was a large organ placed on the Polk street end of the gallery. Mr. Bergstrom, the exhibitor, engaged the best organists on the coast to render, during the interim of the band-playing, the most select compositions of Mozart, Beethoven, Wagner, etc., also producing on one particular Sunday a grand, sacred, musical concert, with the following programme which was most acceptably given to the immense gratification of the audience assembled on that day:

## PROGRAMME.

- |   |             |
|---|-------------|
| 1. Prelude. . . . .                               | Mayer       |
|   | MR. MAYER.  |
| 2. Te Deum (Bb Major) . . . . .                   | Dudley Buck |
|   | CHOIR.      |
| 3. Organ Solo—Allegro—Sonata No. 1. . . . .       | Mendelssohn |
|   | MR. WILMOT. |
| 4. Contralto Solo—“Bow down thine ear.” . . . . . | Handel      |
|   | MRS. STORY. |

5. Organ Solo—Toccata in D Minor.....*Bach*  
MISS DILLAYE.
6. Quartet—"God is a Spirit." .....*Wm. Sterndale Bennett*  
CHOIR (unaccompanied)
7. Organ Duet—Processional March, first time (for two  
performers).....*Edgar S. Kelley*  
MISS DILLAYE AND MR. KELLEY.
8. Soprano Solo—"O Salutaris." .....*Bassini*  
MRS. HOWELL.
9. Hymn—"From all that dwell below the skies." .....

The audience was requested to join in the singing of this Hymn. The following are the words. Tune—"Old Hundred":

" From all that dwell below the skies,  
Let the Creator's praise arise;  
Let the Redeemer's name be sung,  
Through every land, by every tongue.

" Eternal are thy mercies, Lord!  
Eternal truth attends thy word;  
Thy praise shall sound from shore to shore,  
Till suns shall rise and set no more."

The Decorations, with slight alterations of the previous years, was all that could be desired; while larger in amount than the previous years, the excess was occasioned by the expense entailed in covering tables for the various County exhibits, etc.

The Art Gallery was full to repletion, and although many pictures was not of a high Art standard, they show a general advance in the Art education of the Pacific Slope; the report of the jurors on Class 41 more fully elaborates the opinion of this committee on Music, Decorations and Art.

In conclusion, we would recommend that there be some change made in the band stand the coming year; also, that the fountain as it now stands be modified and changed to one large, upright stream, starting from center of tank, and that circular streams in small jets be played from inner side of the basin; that if the opinion of the Directors justify the expense, the upper and lower rooms of the Art Gallery be provided with skylights similar to the two center rooms. The Members of the Board will accept thanks for their valuable assistance during the progress of the Fair.

Respectfully submitted,  
J. A. BAUER,  
G. H. HOPPS,  
JOHN MALLON,  
Committee.

**PRIVILEGES.**

YOUR committee on Privileges are pleased to report that all matters in their department have been settled satisfactorily; and the full amount of all Privileges sold, as sanctioned by the Board, turned over to the Treasurer.

We are also pleased to report the unusual fact that no petition has been been received, since the Fair closed, asking the Board to refund a part of the money paid in. General satisfaction has been expressed by all the holders of Privileges, and we think they have generally done well and made money.

We are gratified in being able, this evening, to present you with a report showing a decided increase of receipts over last year, notwithstanding that each hoider of a Privilege had to purchase his own and all of his employees' tickets, which increased our cash receipts for tickets to a considerable amount.

As regards the sale and number of Privileges, we think the general plan adopted by the Board and carried out by the Committee to be good, and we recommend no alterations from last Fair; but we would advise the continuance of the rule whereby the purchasers of Privileges are required to purchase their own and their employees' tickets, as it saves the committee in charge of the same a great deal of trouble.

The number of tickets for employees issued at the Eighteenth Industrial Exhibition was 549; and the Nineteenth Exhibition total issue was 667. At the Twentieth Exhibition the total issued was 341, of which 3 were canceled and 15 were taken up for being improperly used, leaving the largest number of employees' tickets that could be used on any day 323, thus showing a large saving over previous Fairs. And we believe that exhibitors have been better used, as the tickets have gone to the parties that were entitled to them and not to the parties who had the most persistence in boring the Ticket or Privilege Committees.

Your committee, by instruction of the Board, had a count taken of the visitors to the Fair on two different days.

On Wednesday, September 12th.....16,005 Visitors.

On Saturday, September 26th.....19,975 "

The expense incurred in taking this count was three men's wages each day at \$2.50 each, or a total of \$15. We believe this should be done at each Fair as it is good for future reference.

We would again recommend that no employees' tickets be issued to exhibitors to stands where only dusting or merely sweeping is to be done, as we believe the Institute employees can and should attend to it and thereby reduce the number of free tickets issued.

The number of Privileges sold and the amounts received for same are as follows:

Geo. C. Thompson, Soda,	\$1,327 50
Hart & Stevens, Ice Cream.....	915 50
Hart & Stevens, Restaurant.....	308 50
Geo. Spaulding & Co., Newspaper.....	500 00
D. S. Ciphers, Popcorn.....	435 00

M. Moore, Cider.....	307	50
Geo. Haas, Candy.....	935	00
J. Lanthaume, Waffles.....	50	00
E. A. Goddard, Card Writing .....	50	00
Wm. Greer, Perfumery.....	30	00
J. H. Kruger, Canes.....	25	00
H. L. St. John, Root Beer.....	100	00
Mme. Robinson, Manicure Articles.....	25	00
A. Duhem, Flowers.....	25	00
Greenbaum & Co., Perfumery.....	30	00
J. P. Pfeister, Slate Wiper.....	15	00
Standard Soap Co., Perfumery.....	30	00
E. Dittman, Leather Articles.....	30	00
Mme. Gartenlaub, French Jewelry.....	100	00
S. A. Perry & Co., Gold Paint.....	5	00
		\$5,244 00

All of which is respectfully submitted,

DAVID KERR,

D. A. MACDONALD,

GEORGE SPAULDING,

Committee.

### PRINTING AND ADVERTISING.

THE committee on Printing and Advertising submit report of the business of their department pertaining to the Twentieth Industrial Exhibition:

The amount expended for the purposes of Printing and Advertising has exceeded that of late years by a small sum. A considerable amount of the Advertising bills is for advertising in country papers, which we think was well expended. Early in the season large and attractive circulars were printed and thoroughly distributed, doing, we believe, much good in advertising our Fairs, as well as bringing into notice our noble Institution. The amount paid to the Daily Press was perhaps large, but nothing compared to the liberal favors which our exhibition received in gratuitous notices at their hands, for which these papers, without exception, should receive our thanks. We believe it is now pretty generally understood by the city papers that in noticing our Fairs and our Institute they are doing a public good, and we should do all we can to foster such sentiments.

Considerable Printing has also been done, not directly for the Fair, but for the benefit of the Institute, in circulars showing the benefits of becoming connected with it as members, all of which, we think, inures to its benefit.

The sale of Catalogues was not as large as was expected, though a small profit over the cost of printing was made.

A full and itemized account of the expenditures will be found in the Financial Statement, a *résumé* of which shows as follows:

The cost of Printing was \$1,201 64, which includes the cost of Printing the Report of the Exhibition, and for Advertising, \$1,797 76, making a total of \$2,999 40.

The Committee on Printing delivered the following to the Ticket Committee before the opening of the Fair:

6,000.....	Double Season Tickets
1,500.....	Single      "      "
1,000.....	Children's      "      "
1,000.....	Apprentices'      "      "
1,000.....	Employees'      "      "
6,794.....	Adults' Single Admission      "
1,922.....	Children's      "      "

Respectfully submitted,

GEORGE SPAULDING,

S. J. HENDY,

C. F. BASSETT,

Committee.

### **LOCATION AND POLICE.**

YOUR committee on Location and Police submit the following as their final report:

In taking charge of the duty assigned us we believed some changes from former Fairs should be made, and accordingly had the walks and aisles made wider and the locations changed as far as possible from last year.

The strong recommendations from the committee of the last Fair in regard to signs and obstructions was approved by us, and had the effect of greatly lessening the complaints formerly made.

The suppression of objectionable circulars and notices has had a good effect and has been duly appreciated by the public.

Your committee made the usual application to the Chief of Police for officers to be on duty at the Pavilion during the Fair. Chief Crowley promptly responded to our request and detailed Sergeant Harmon and other officers to report for duty at the Pavilion. Our thanks are due the Chief for his prompt action in the matter, and to the officers for their uniform courtesy and vigilance in preventing anything contrary to law and good order.

The Superintendent has been faithful and diligent in his duties at the Fair and for the interests of the Institute and has given entire satisfaction to the Trustees and exhibitors. It requires a man of no ordinary ability and judgment to superintend an exhibition like ours. We also desire to state that Mr. Tweedale, the trusted Janitor of the Pavilion, has done his duty faithfully

during the Fair. He had charge of the day watch, as well as the care of the building. His knowledge and aid has been of great advantage to this committee. Following are the names and occupations of the employees of the Exhibition:

J. H. Gilmore.....	Superintendent
J. H. Culver .....	Secretary
J. R. Martin.....	Superintendent Art Gallery
A. A. Hobe.....	Superintendent Ticket Office
F. Waterhouse.....	Clerk "
Susan K. Allen.....	" "
Henry Gille.....	" "
J. K. Smedley.....	Engineer
V. Harper.....	Fireman
T. S. Tweedale.....	Day Sergeant
John R. Potter.....	Night Sergeant
Wm. Cameron.....	Entry Clerk
J. T. Peck.....	Entry Clerk
Geo. W. Harmon.....	Door Keeper
James McLea .....	" "
W. S. Houghtaling.....	" "
Alex. McLea.....	" "
James Cole.....	" "
Mrs. Hodgkiss.....	Ladies' Room
Miss Carrie Creigh.....	Cloak Room
Mrs. Lawson.....	Cloak Room
Samuel N. Grubb.....	Gas Inspector
H. M. Pendergast.....	Gas Lighter
H. T. Crocker.....	Attendant on Elevator
C. P. Barbee.....	Carpenter
Thomas Saywell.....	Gardener
W. S. Hopps.....	Art Gallery
T. C. Tweedale.....	Fruit Exhibit
W. Van Dyke.....	Messenger
R. McFarlane.....	"
Jas. H. Riddle.....	Porter
H. T. Burns.....	Porter
M. M. Dugan.....	Day Watch
Henry M. Flint.....	"
A. P. Caldwell.....	"
R. S. Cross.....	"
Potiphar Lawless .....	"
David Glenn.....	"
E. V. Hunt.....	"
J. J. Nunan.....	"
John R. Potter.....	Night Watch

J. G. Gay.....	Night Watch
P. Warren .....	"
Geo. Green.....	"
John Harrigan.....	"
Joseph Grant....	"
M. A. Clarke.....	"
H. Savage .....	"
Wm. Barry.....	"

Respectfully submitted,

JOHN MALLON,  
J. R. WILCOX,  
D. A. MACDONALD,  
Committee.

### ***HORTICULTURE.***

YOUR committee on Horticulture beg leave to submit the following report:

By the exertions of the various Members of the Board, assisted by the Officers of the Immigrant Association and the Officers of the leading Railroad and Steamship Companies, a most unqualified success was made of the Horticultural Department of the Exhibition.

The counties represented were awarded ample space and offered every facility in the way of fitting up, gas, electric light, etc., to display their various productions to the greatest advantage.

To Messrs. Blackstock, Thorp & Bard of Ventura County, Adams & McDonald of Sonoma, and F. G. Berry of Fresno County, we are indebted, for by their indefatigable efforts during the continuance of the Fair the county productions retained their surprisingly fresh appearance. The committee have endeavored to foster and stimulate the new departure and believe that a combined and earnest effort the coming year will produce one of the greatest displays ever held in this State. We would recommend in this report that next year be devoted to a Horticultural, Agricultural and Pomological Exhibition. The various awards made to the committee have given general satisfaction.

The expense connected with this department, while of some moment, does not compare with the benefit arising therefrom.

All of which is respectfully submitted to your Honorable Body,

G. H. HOPPS,  
J. R. WILCOX,  
C. WATERHOUSE,  
Committee.

**SPECIAL EXHIBITS,**

YOUR committee on Special Exhibits would respectfully report that the only matter of importance referred to them was the "Bergstrom Organ," which was erected in the Polk street end of the gallery. This proved to be a great attraction, and the exhibitor took the utmost pains to carry out his part of the contract, which was to the entire satisfaction of the committee and, we think, of the Board also. The best organist of this city performed at various times, and most favorable comment was made on the fine qualities of the instrument and the music furnished. We believe the public, particularly the music-loving portion, appreciate our efforts for their amusement and pleasure; and the cost of the same (\$250) was money well expended.

J. R. WILCOX,

DAVID KERR,

GEO. H. HOPPS.

Committee.











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